

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. U-020252-A	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR DIAMOND SHAMROCK				7. UNIT AGREEMENT NAME Allen Federal	
3. ADDRESS OF OPERATOR Drawer E, Vernal, Utah 84078 801-789-5270				8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1949' FEL 2101' FNL Section 6, T9S, R17E, S.L.B. & M. At proposed prod. zone same SW NE				9. WELL NO. #32-6	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 13 miles Southwest of Myton, Utah				10. FIELD AND POOL, OR WILDCAT Field Monument Butte	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1949		16. NO. OF ACRES IN LEASE 640		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6, T9S, R17E, S.L.B. & M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		19. PROPOSED DEPTH 5300'		12. COUNTY OR PARISH Duchesne	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5324		20. ROTARY OR CABLE TOOLS Rotary		13. STATE Utah	
22. APPROX. DATE WORK WILL START* A.S.A.P.					
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
12 1/2"	8 5/8"	24# K-55	250'	Circulate to surface	
7 7/8"	5 1/2"	15.5# K-55	T.D. 5300'	300 sacks	

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up BOP as required and pressure test. Drill 7 7/8" hole to approximately 5300' if production is found feasible set 5 1/2" production casing.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 11/9/81

BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

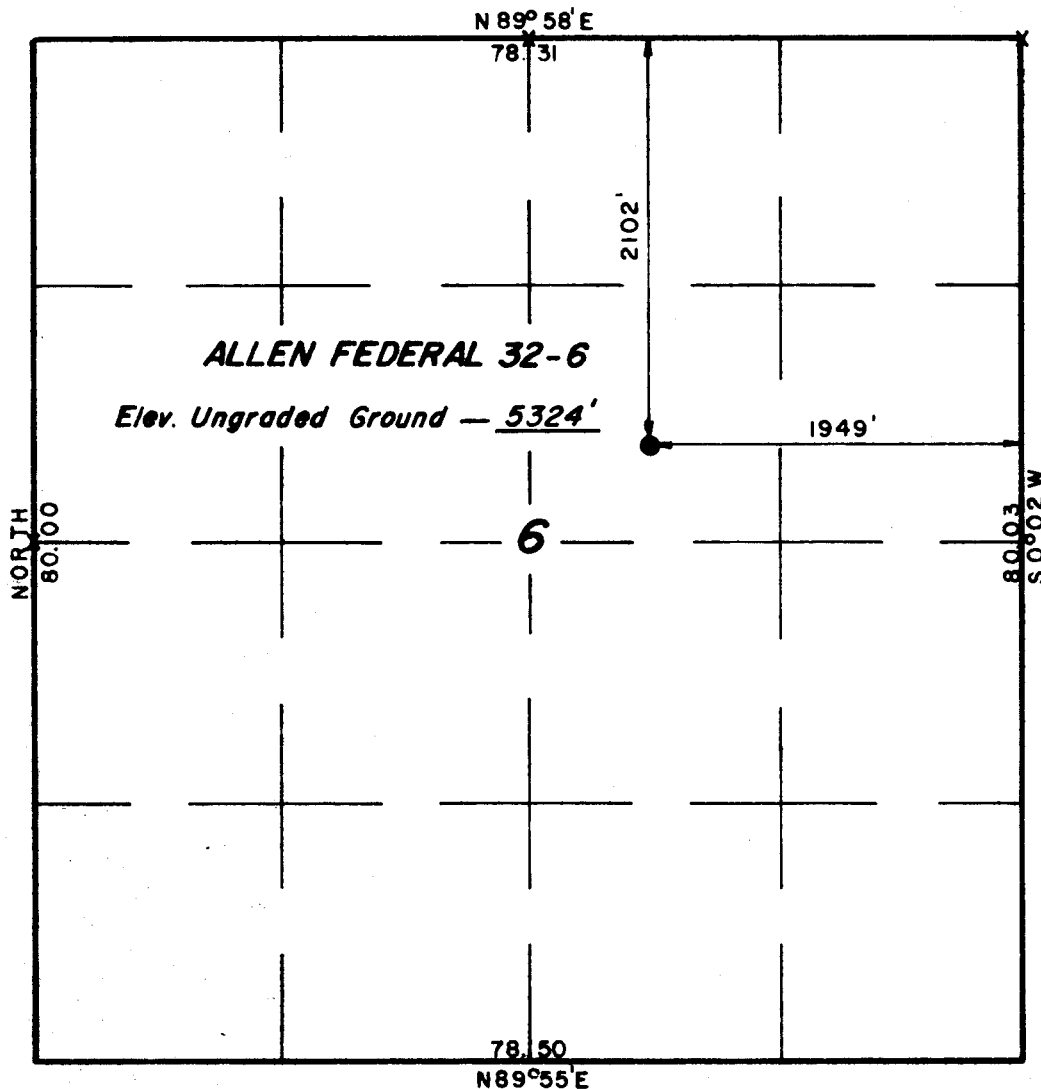
SIGNED: [Signature] TITLE: District Superintendant DATE: 12/29/80

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE
CONDITIONS OF APPROVAL, IF ANY:

T 9 S, R 17 E, S.L.B. & M.



X = Section Corners Located

PROJECT
DIAMOND SHAMROCK

Well location, **ALLEN FEDERAL 32-6**, located
as shown in the SW 1/4 NE 1/4 Section 6
T9S, R17E, SLB & M
Duchesne County, Utah



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF

Sam Stewart
REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

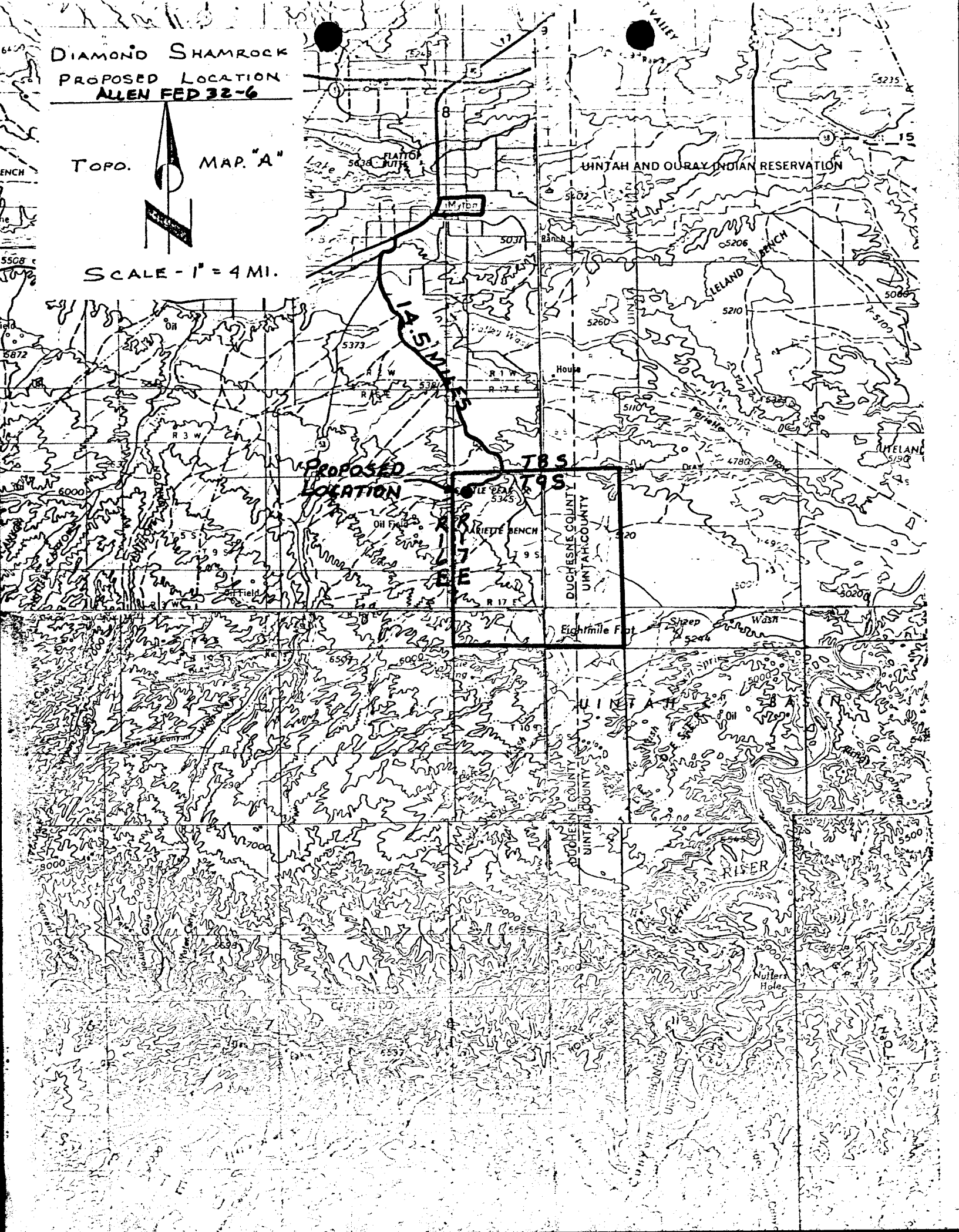
SCALE	1" = 1000'	DATE	12 / 24 / 80
PARTY	GS, GS, SM, R B	REFERENCES	SLO Plat
PROJECT	DIAMOND SHAMROCK	FILE	DIAMOND SHAMROCK

DIAMOND SHAMROCK
PROPOSED LOCATION
ALLEN FED 32-6

TOPO.

MAP "A"

SCALE - 1" = 4 MI.



1. GEOLOGICAL NAME OF SURFACE FORMATION

(A) Uinta Formation of Eocene Age

2. TOPS OF IMPORTANT GEOLOGICAL MARKERS

(A) Mahogany Formation 3060'

(B) Garden Gulch Formation 3630'

(C) Douglas Creek Formation 4610'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL OR GAS

(A) Gas anticipated at 2600' in Evacuation Creek Member
(Water or Oil no anticipated)

(B) Oil & Gas anticipated in Basal Green River Formation (Douglas
Creek at 5300')

4. PROPOSED CASING PROGRAM

(A) 250' of 8 5/8" surface casing 32# per foot.
3150' of 5 1/2" 15.5# per foot. (K-55)

5. SPECIFICATION FOR PRESSURE CONTROL EQUIPMENT

(A) 12 inch 3000# Double Hydraulic B.O.P. with Pipe Rams and
Blind Rams and Spherical BOP.

(B) B.O.P. to be pressure tested before spudding and daily testing
of closing units and rams while drilling.

6. PROPOSED CIRCULATING MEDIUM

(A) Brine water is proposed to be used unless additional weight
is needed to control pressures or heaving shale. In this
event a chemical-gel fresh water mud will be used and Barite
as needed to control pressure.

7. AUXILIARY EQUIPMENT TO BE USED

(A) Upper Kelly Cock

(B) Float At Bit

(C) Floor T.I.W. Valve (stabbing valve) for drill pipe

(D) Gas Detector Logging Unit

8. TESTING LOGGING AND CORING PROGRAM

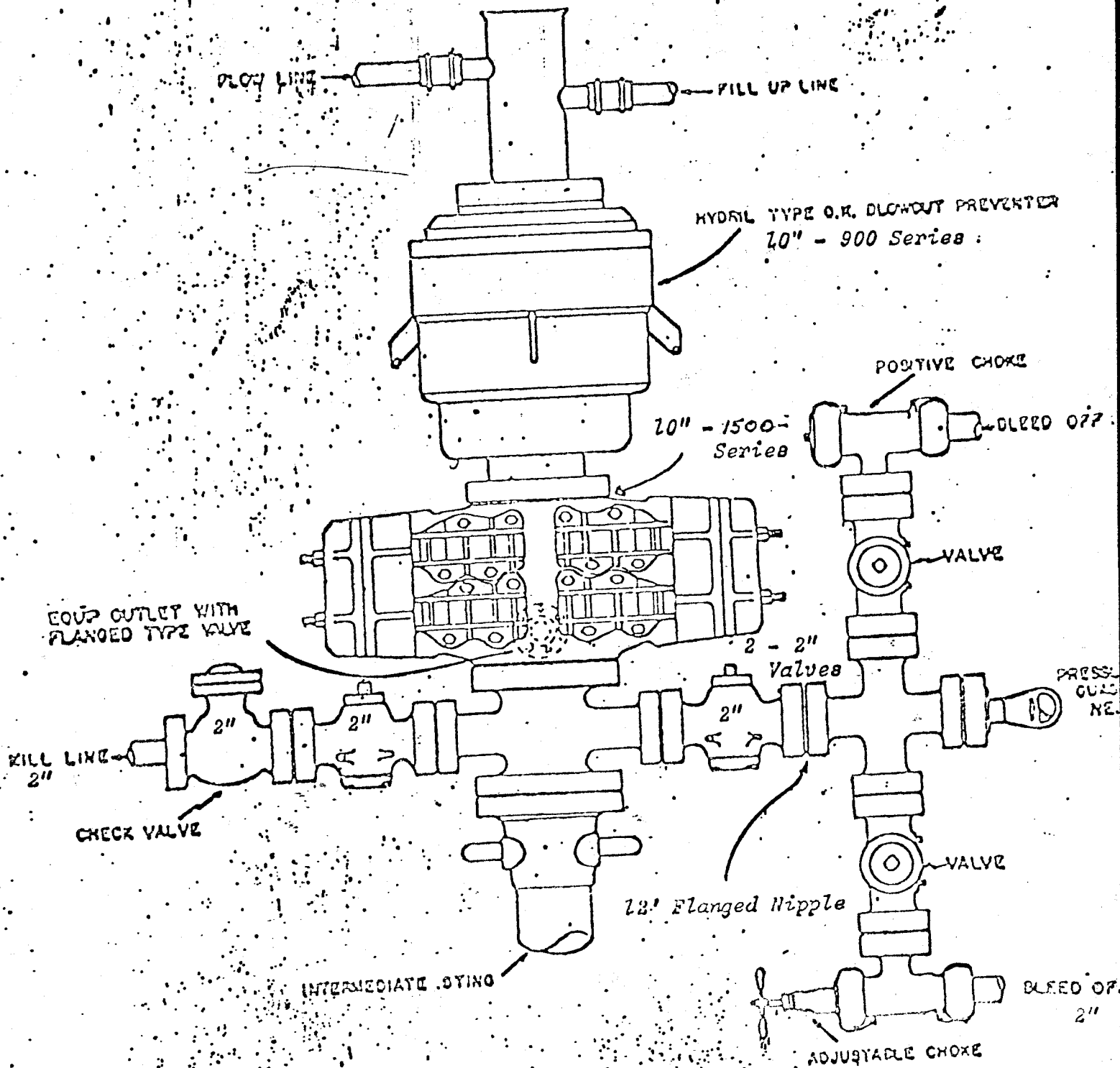
- (A) Drill stem test of Evacuation Creek and Douglas Creek
- (B) Will run dual lateral log, BHC, and CNL-FDC .

9. ANTICIPATED ABNORMAL PRESSURES, TEMPERATURES OF HAZARDS

- (A) No abnormal pressures expected
- (B) No Hydrogen Sulfide Gas expected

10. STARTING DATE AND DURATION OF OPERATIONS

- (A) Anticipated starting date as soon as approvals are made.
- (B) This well is anticipated to be drilled in approximately 30 days.



NOTE: HYDRIL PREVENTER AND DOWHOLE PREVENTER;
ONE BLIND AND ONE FILL VALVE.

Diag. A

DIAMOND SHAMROCK

13 Point Surface Use Plan

For

Well Location

Allen Federal #32-6

Located In

Section 6, T9S, R17E, S.L.B. & M.

Duchesne County, Utah

DIAMOND SHAMROCK
Allen Federal #32-6
Section 6, T9S, R17E, S.L.B. & M.

1. EXISTING ROADS

To reach DIAMOND SHAMROCK well location, Allen Federal #32-6 located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 6, T9S, R17E, S.L.B. & M., Duchesne County, Utah; proceed Southwesterly out of Myton, Utah along U.S. Highway 40 - 1.5 miles to the junction of this Highway and Utah State Highway 53, to the South; proceed Southerly along this Highway 1.5 miles more or less, to the intersection of Utah State Highway 53 and Utah State Highway 216, thence proceed Southeasterly along Utah State Highway 216 9.9 miles to the junction of this road and an existing road to the Southwest; proceed Southwesterly along this service road 1.4 miles to the point at which the planned access road (to be discussed in Item #2) leaves the existing road and proceeds in a Northwesterly direction.

The Highway mentioned in the foregoing paragraph are bituminous surfaced roads up to the intersection of Utah State Highway 53 and 216, at which point Utah State Highway 216 is constructed out of existing native materials that are prevalent to the existing area it is located in and ranges from clay to sandy-clay shale materials, as are the aforementioned dirt oil field service roads and other roads in the vicinity.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and production phase of the well. These roads will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing service road in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 6, T9S, R17E, S.L.B. & M., and proceeds in a Southeasterly direction for a distance of 800' more or less to the proposed location site.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

This proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut area of the road will be 1 $\frac{1}{2}$ to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement of construction.

The grade of this road will vary from flat to 8% but will not exceed this amount. This road will be constructed from native borrow accumulated during construction.

DIAMOND SHAMROCK
Allen Federal #32-6
Section 6, T9S, R17E, S.L.R. & M.

2. PLANNED ACCESS ROAD - cont...

There will be no culverts required along this access road.

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposed every 0.25 miles or on the top of ridges or at interval and location that will proved the greatest sight distance. These turnouts will be 200' in length and 10' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

Since there are no fences along this road, there will be no cattleguards required.

The vegetation along this route consists of sparse amounts of sagebrush, rabbitbrush, some grasses and cacti with large areas that are devoid of vegetation.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are no known producing wells, abandoned wells, temporarily abandoned wells, water wells, disposal wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one mile radius of this location site.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no DIAMOND SHAMROCK tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one miles radius of this location site.

In the event that production is established, plans for a flowline from this location to existing lines in the area will be submitted to the proper authorities and the existing area of the location will be utilized for the establishment of the necessary production facilities.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The area will be built if possible, with native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.

If there is any deviation from the above, all appropriate agencies will be notified.

Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION OF AND TYPE OF WATER SUPPLY

Water to be used for the drilling and production of this well will be hauled by truck from the Duchesne River, at a point where Highway 40 crosses it North of Myton, Utah, approximately 14.4 miles to the Northeast of the proposed location site.

In the event that the above sources is not used, other arrangements will be made with the proper authorities for an alternate source.

All regulation and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

There will be no water well drilled at this location site.

6. SOURCES OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow materials accumulated during the construction of the location site and access road. No additional road gravels or pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site and access road will consist of a sandy-clay soil and sandstone and shale material gathered in actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. Non-flammable materials such as cuttings, salts, chemicals, etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the reserve pit will be fenced on three sides. Upon completion of drilling, the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted. A portable toilet will be supplied for human waste.

A trash basket will be provided for flammable materials. Waste will be hauled by truck to the nearest sanitary landfill.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site and road.

DIAMOND SHAMROCK
Allen Federal #32-6
Section 6, T9S, R17E, S.L.B. & M.

9. WELL SITE LAYOUT - cont...

As mentioned in Item #6, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket will be hauled to the nearest sanitary landfill. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a basin that lies between the Book Cliff Mountains to the South and the Uinta Mountains to the North. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstone, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial streams and flow to the Southeast and are tributaries to the Green River.

The soils of the semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fulvial, Sandstone, Mudstone) from the Eocene and Quarternary Epoch (gravel surfaces) and the visible geologic structures consist of light brownish clay (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevation of the Uinta Basin. It consists of, as primary flora, areas of sagebrush, rabbitbrush, some grasses, and cacti, and large areas of bare soils devoid of any growth. In the areas that are formed along the edges of perennial streams cottonwoods, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

DIAMOND SHAMROCK
Allen Federal #32-6
Section 6, T9S, R17E, S.L.B. & M.

11. OTHER INFORMATION - cont...

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other type of rodents, and various reptiles common to the area.

The birds of the area are raptors, finches, ground sparrow, magpies, crows and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area (See Topographic Map "B").

Allen Federal #32-6 location site sits on a sloping hillside Northwest of Castle Peak Draw which drains into the Green River which is located approximately 14 miles to the East of the location.

The geologic structure of the location is of the Uinta Formation and consists of light brownish-gray sandy clay (SP-CL) with some sandstone outcrops.

The ground slopes from the South through the location to the North at approximately a 2% grade., into a small non-perennial drainage which drains to the East into the above mentioned Castle Peak Draw.

The location is covered with some sagebrush and grasses.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Bill Elliott
DIAMOND SHAMROCK
Drawer E
Vernal, Utah 84078

1-801-789-5270

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operation proposed herein will be performed by DIAMOND SHAMROCK and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

Dec 29, 1980
Date

Bill Elliott
Bill Elliott
District Supervisor

Identification CER/EA No. 219-81

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Diamond Shamrock
Project Type Oil and Gas Well Drilling
Project Location 1949' FEL 2102' FNL Section 6, T. 9S, R. 17E
Well No. 32-6 Allen Federal Lease No. U-020252-A
Date Project Submitted December 30, 1980

FIELD INSPECTION Date January 30, 1981

Field Inspection
Participants

<u>Greg Darlington</u>	<u>USGS, Vernal</u>
<u>Gary Slagel</u>	<u>BLM, Vernal</u>
<u>Bill Elliot</u>	<u>Diamond Shamrock</u>
<u>Gene Stewart</u>	<u>Uintah Engineering</u>

Related Environmental Documents: Unit Resource Analysis, Duchesne Planning
Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

February 3, 1981
Date Prepared

Gregory Darlington
Environmental Scientist

I concur

2/5/81
Date

E. S. [Signature]
District Supervisor

Typing In 2-3-81 Typing Out 2-3-81

PROPOSED ACTION:

Diamond Shamrock proposes to drill the Allen Federal 32-6 well, a 5300 foot test for hydrocarbons in the Evacuation Creek Member and Basal Green River Formations. An 800 foot long new access road with an 18 foot wide driving surface with drainage ditches where needed is proposed. A pad 135 feet by 300 feet and a reserve pit 75 feet by 150 feet are requested for the proposed location. About 1.6 acres of new disturbance would be involved.

RECOMMENDED APPROVAL CONDITIONS:

Drilling should be approved provided the operator agrees to incorporate the following additional measures into the APD and drilling plans and adhere to them:

1. BLM Stipulations
2. Lease Stipulations
3. Adequate logs will be furnished as requested by the Mineral Evaluation Report and Mining Report for the evaluation of other potentially valuable resources such as oil shale.

FIELD NOTES SHEET

Date of Field Inspection: January 30, 1981

Well No.: Allen Federal 32-6

Lease No.: U-020252-A

Approve Location: ✓

Approve Access Road: ✓

Modify Location or Access Road: Recommended making pit more
narrow, requested ^{it be} no wider than the 75 feet of the layout
diagram. Cautioned against getting pit any closer than
presently staked to a small drainage.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) Location is OK. Non-perennial drainage

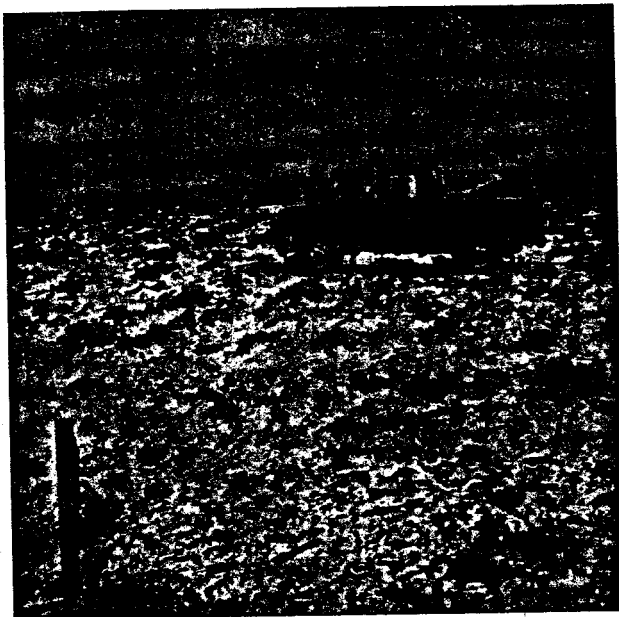
is to the North near the reserve pits.
BLM had 13 point plan at time of the onsite from Hinkel Engineering Co.
Official APD copy arrived February 4.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

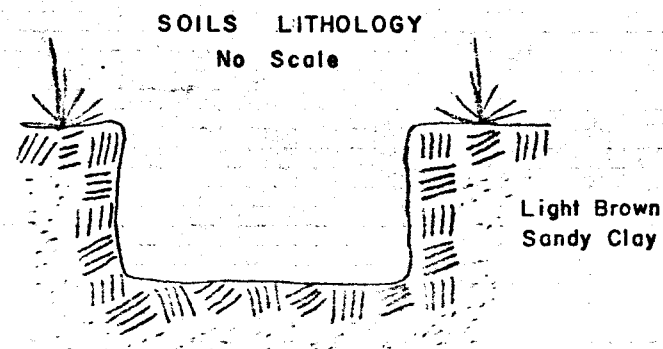
Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corres- pondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							1, 2, 3, 6	1-30-81	
2. Unique charac- teristics							1, 2, 3, 6	1-30	
3. Environmentally controversial							1, 2, 3, 6	1-30	
4. Uncertain and unknown risks							1, 2, 3, 6	1-30	
5. Establishes precedents							1, 2, 3, 6	1-30	
6. Cumulatively significant							1, 2, 3, 6	1-30	
7. National Register historic places							1, 6	1-30	
8. Endangered/ threatened species							1, 6	1-30	
9. Violate Federal, State, local, tribal law							1, 2, 3, 6	1-30	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

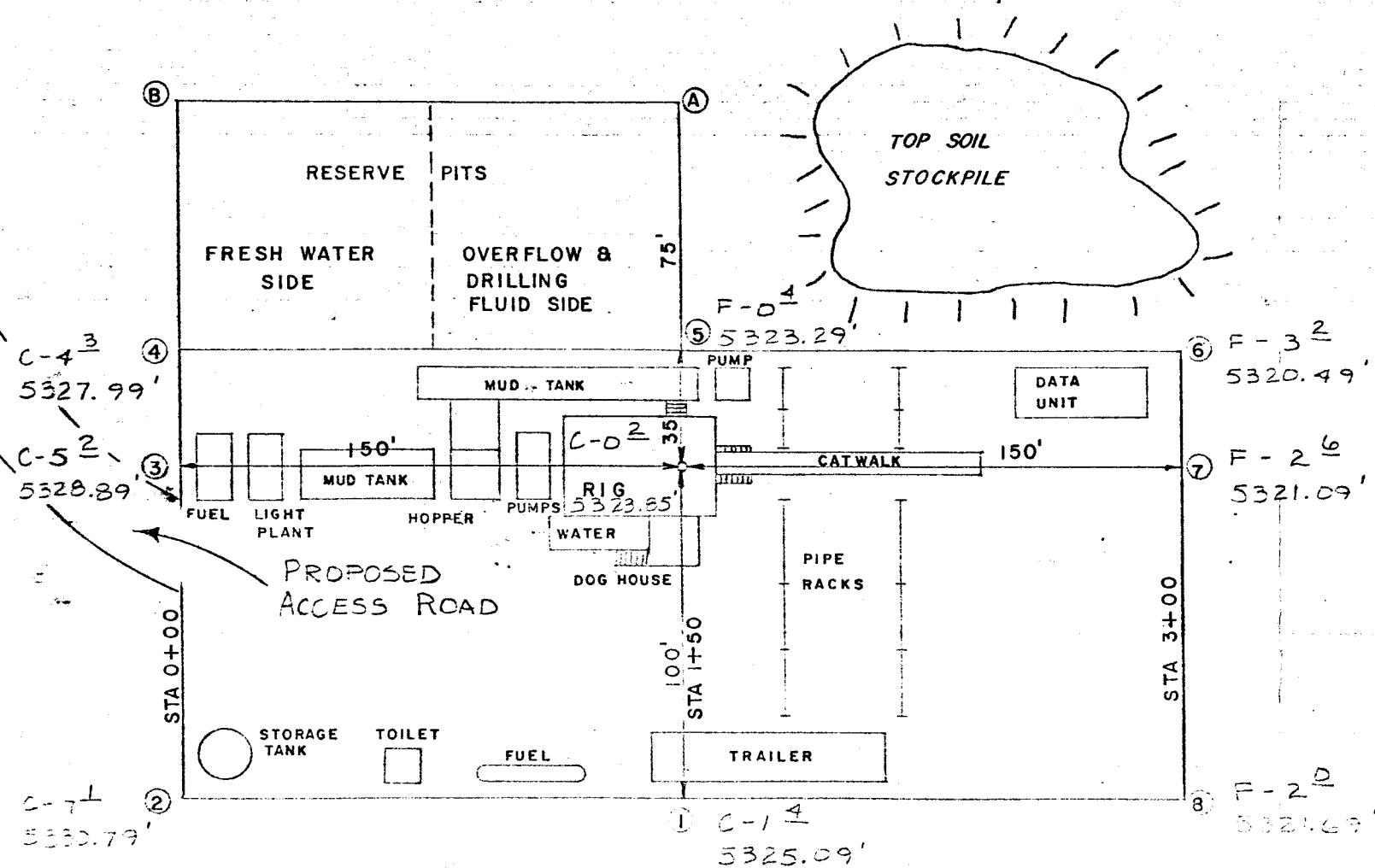
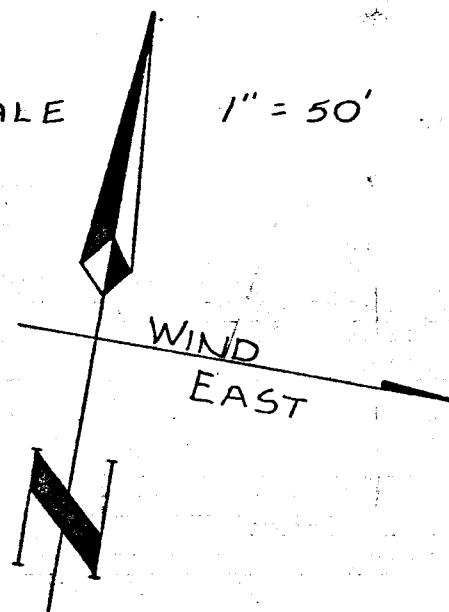
1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. USGS conditions of approval.



South View of Allen 32-6
Diamond Shamrock



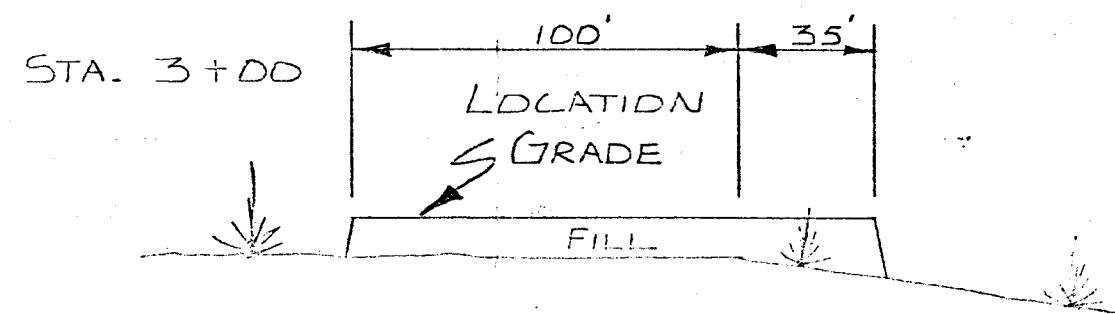
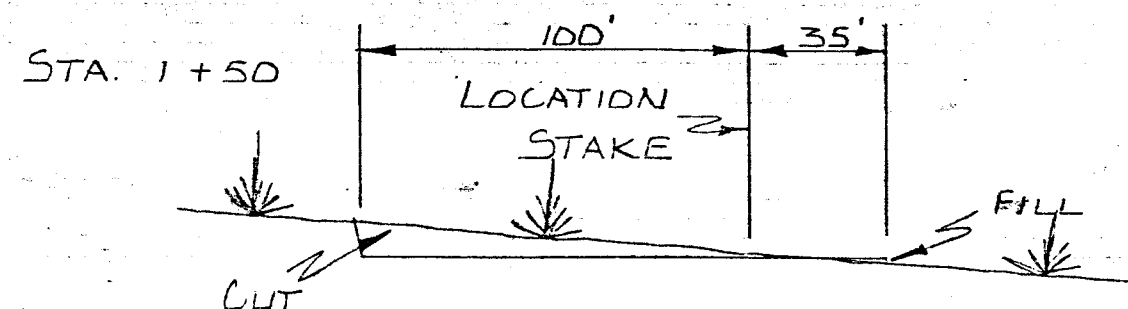
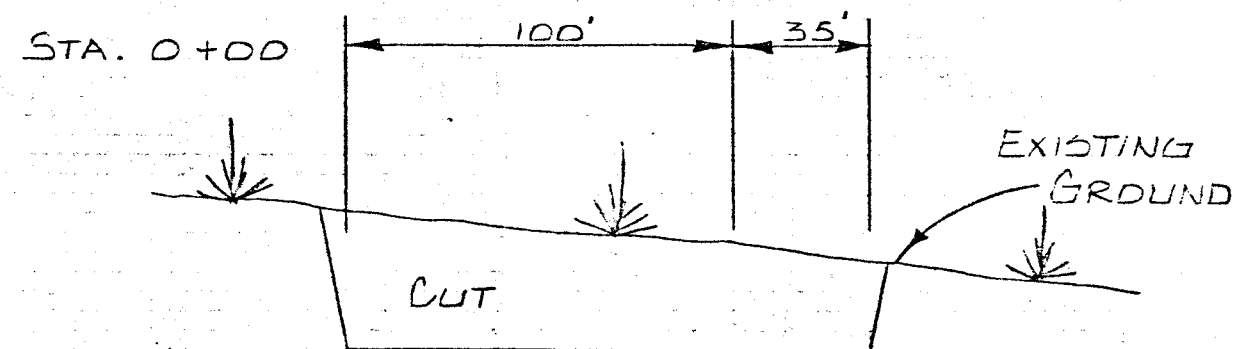
SCALE 1" = 50'



DIAMOND SHAMROCK

ALLEN FEDERAL 32-6

C
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N
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APPROXIMATE YARDAGES

Cubic Yards Cut - 2751

Cubic Yards Fill - 948

SCALES

1" = 50'

**** FILE NOTATIONS ****

DATE: January 2, 1981

OPERATOR: Diamond Shamrock

WELL NO: Allen Federal #32-6

Location: Sec. 6 T. 9S R. 17E County: Duchesne

File Prepared: ☐

Entered on N.I.D: ☐

Card Indexed: ☐

Completion Sheet: ☐

API Number 43-013-30559

CHECKED BY:

Petroleum Engineer: M. J. Windy

Director: OK C-3

Administrative Aide: C-3 spacing

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☒

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation ☒

Plotted on Map ☒

Hot Line ☒

Approval Letter Written ☒

P.I. ☒

January 9, 1981

Diamond Shamrock
Drawer L
Vernal, Utah 84078

Re: Well No. Allen Federal #32-6
Sec. 6, T. 9S, R. 17E
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to o/g is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (Aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30559.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Director

/ko
cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
DIAMOND SHAMROCK Corp.

3. ADDRESS OF OPERATOR
Drawer E, Vernal, Utah 84078 801-789-5270

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1949' FEL 2102' FNL Section 6, T9S, R17E, S.L.B. & M.
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
13 miles Southwest of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1949

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
N/A

19. PROPOSED DEPTH
5300'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5324

22. APPROX. DATE WORK WILL START*
A.S.A.P.

5. LEASE DESIGNATION AND SERIAL NO.
U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Allen Federal

8. FARM OR LEASE NAME

9. WELL NO.
#32-6

10. FIELD AND POOL, OR WILDCAT
Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 6, T9S, R17E, S.L.B. & M.

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24# K-55	250'	Circulate to surface
7 7/8"	5 1/2"	15.5# K-55	T.D. 5300'	300 sacks

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up BOP as required and pressure test. Drill 7 7/8" hole to approximately 5300' if production is found feasible set 5 1/2" production casing.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bill Elliott TITLE District Superintendent DATE 12/29/80

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY (Orig. Sgd.) R. A. Henricks TITLE FOR E. W. GUYNN DISTRICT ENGINEER DATE FEB 15 1981
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

2 total & 1 each of us



United States Department of the Interior

IN REPLY REFER TO

T & R
U-801

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

January 30, 1981

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Joint on site Investigation
Diamond Shamrock Corporation
T9S, R17E, Sec. 6
Allen Federal #32-6
Allen Federal #23-6

Dear Mr. Guynn:

On January 30, 1981 a joint on site inspection was made of the above referenced well site locations and proposed access roads by people representing Diamond Shamrock Corporation, USGS, and the BLM. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and traveling off the right-of-way will not be allowed.
3. Topsoil will be stockpiled as addressed in the applicants 13 point plan. Our office recommends the top 6-10 inches of soil materials be stockpiled.
4. The BLM will be notified at least 24 hours prior to any construction.
5. The BLM will be notified at least 24 hours prior to any rehabilitation.

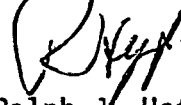


6. A burn pit will not be constructed. There will be no burying of garbage or trash at the location. All trash must be contained and hauled to an approved disposal site.
7. All permanent (on site for six (6) months duration or longer) structures constructed or installed shall be painted a flat (non-reflective) earth tone color to match Pittsburgh Paints "Moccasin," number M3492. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.

An Archaeological clearance has been conducted by Archaeological - Environmental Research Corporation of the proposed drill sites and access roads. No cultural materials were located on the surface of the survey areas.

The proposed activities do not jeopardize listed, threatened or endangered flora/fauna and their habitats.

Sincerely,



Ralph J. Heft
Area Manager
Diamond Mountain Resource Area

cc: USGS, Vernal

Formation Testing Service Report

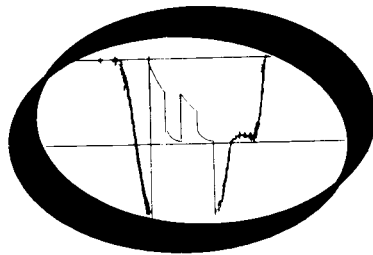
ALLEN FEDERAL

32-6

1

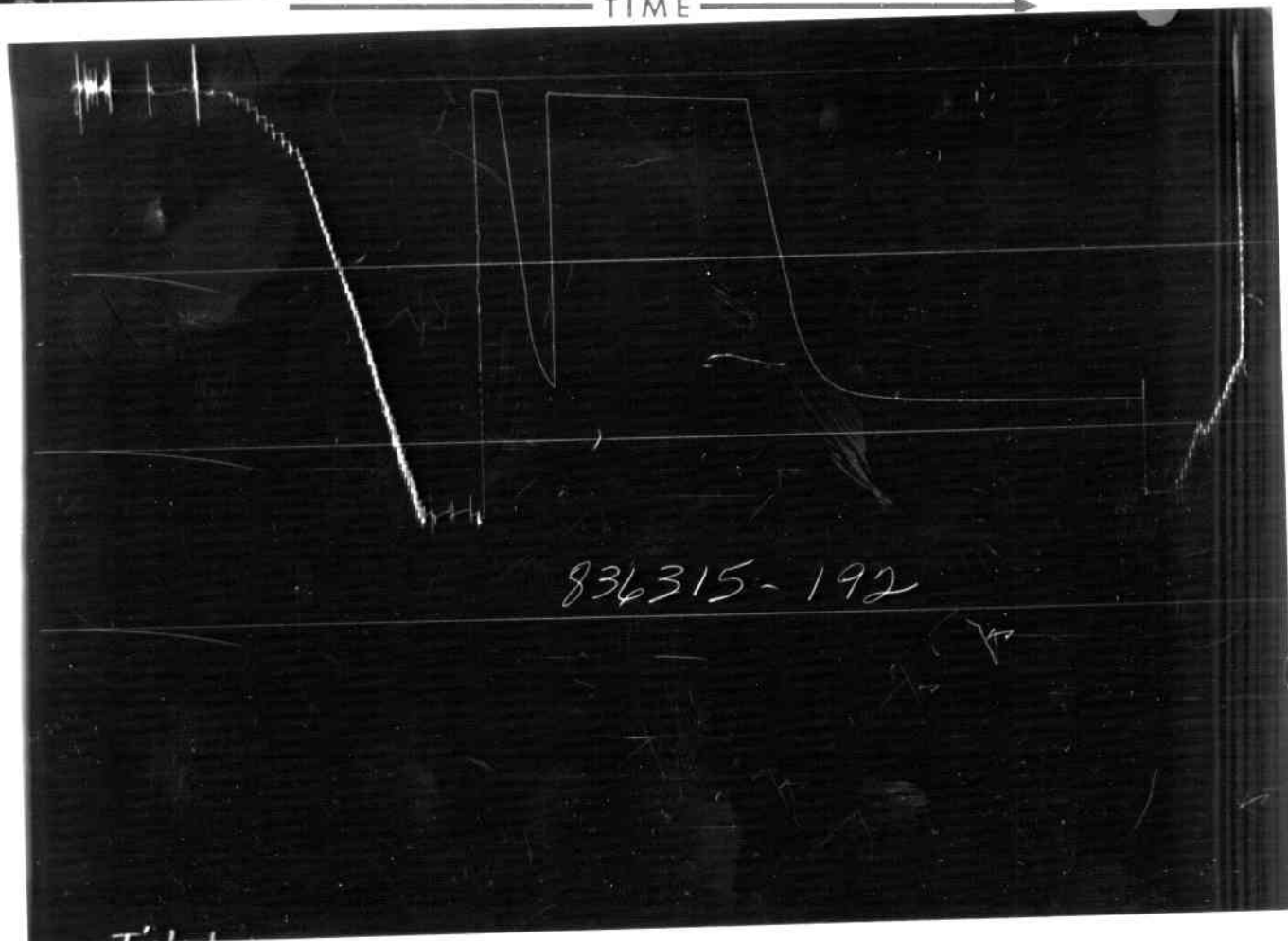
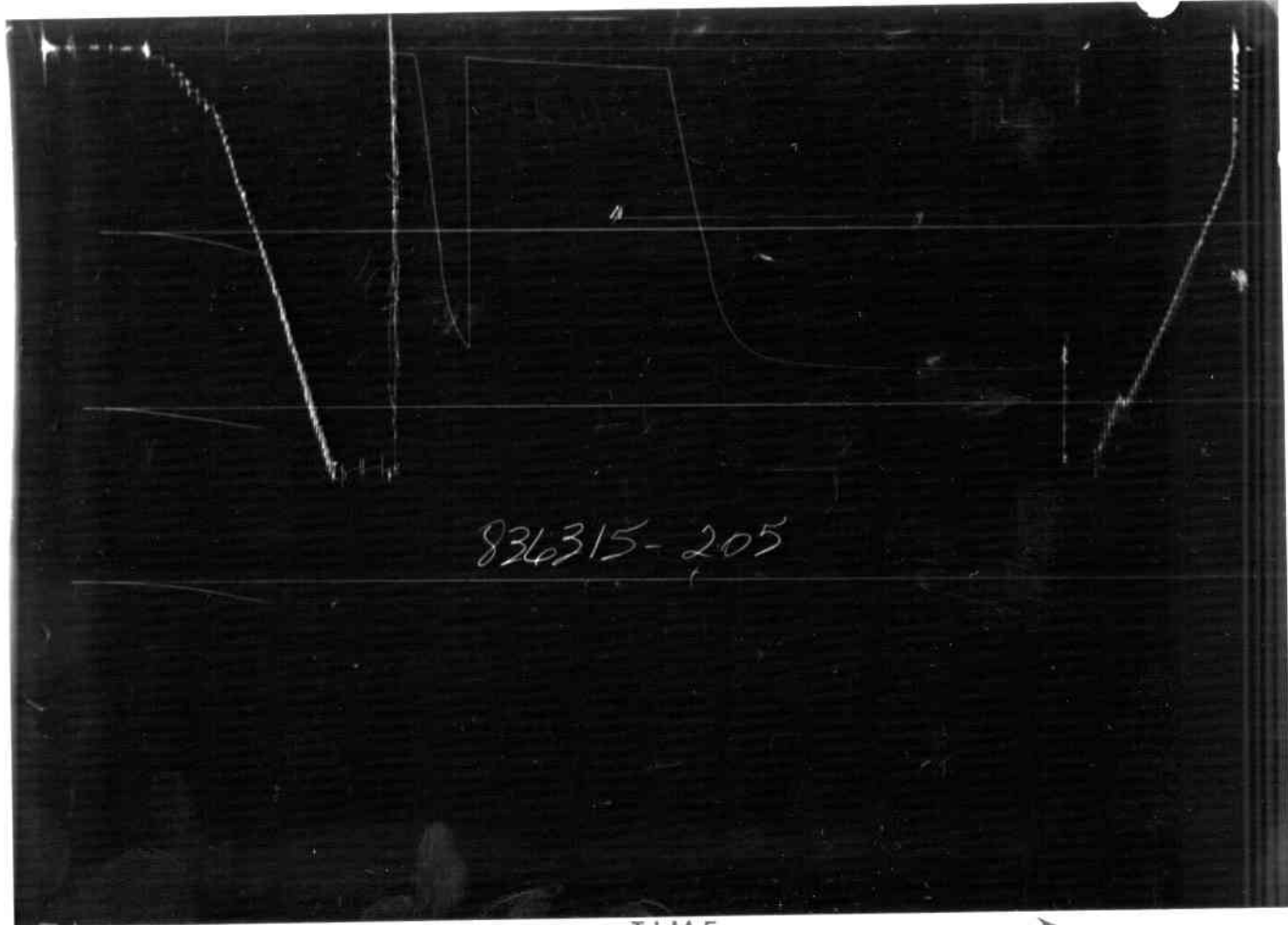
4920' - 4987'

DIAMOND SHAMROCK CORPORATION



HALLIBURTON SERVICES
DUNCAN, OKLAHOMA

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.

Legal Location
Sec. - Twp. - Rng.

SEC. 6 - 9S - 17E

Field Area

SOUTH MYTON

County

DUCHE SNE

State UTAH

FLUID SAMPLE DATA				Date 5-4-81		Ticket Number 836315	
Sampler Pressure 95 P.S.I.G. at Surface				Kind of D.S.T. OPEN HOLE		Halliburton Location VERNAL	
Recovery: Cu. Ft. Gas 40				Tester MR. RICH		Witness MR. FOSTER	
cc. Oil 1400				Drilling Contractor BRINKERHOFF SIGNAL RIG #85 IC			
cc. Water 0				EQUIPMENT & HOLE DATA			
cc. Mud 100				Formation Tested Green River			
Tot. Liquid cc. 1500				Elevation 5323' GL 5333' KB Ft.			
Gravity 31 ° API @ 60 ° F.				Net Productive Interval 20' Ft.			
Gas/Oil Ratio 45.35 cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY CHLORIDE CONTENT				Total Depth 4987' Ft.			
Recovery Water @ ° F. ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud @ ° F. ppm				Drill Collar Length 582.34' I.D. 2.375"			
Recovery Mud Filtrate @ ° F. ppm				Drill Pipe Length 4305' I.D. 3.826"			
Mud Pit Sample 2 @ 60 ° F. 3800 ppm				Packer Depth(s) 4912' - 4920' Ft.			
Mud Pit Sample Filtrate @ ° F. ppm				Depth Tester Valve 4895' Ft.			
Mud Weight 9.1 vis 38 sec.							
TYPE		AMOUNT		Depth Back Surface		Bottom	
Cushion				Ft. Pres. Valve		Choke 1/8" x 1" Bottom Choke .75"	
Recovered 190		Feet of Oil cut mud					
Recovered		Feet of Recovery fluid - 800 ppm chromates as per mud logger					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks SEE PRODUCTION TEST DATA SHEET.							
TEMPERATURE		Gauge No. 205		Gauge No. 192		Gauge No.	
		Depth: 4897' Ft.		Depth: 4984' Ft.		TIME (00:00-24:00 hrs.)	
		12 Hour Clock		12 Hour Clock		Hour Clock	
Est. ° F.		Blanked Off NO		Blanked Off YES		Tool Opened 17:48	
						Opened Bypass 00:34	
Actual 130° F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		2334 2341.2		2410 2378.6		Reported Computed	
						Minutes Minutes	
First Period Flow Initial		27 20.9		54 65.9			
Final		55 34.0		81 69.1		15 *	
Closed in		1672 1660.9		1702 1698.6		31 *	
Second Period Flow Initial		55 42.1		81 80.0			
Final		137 107.7		135 138.8		120 *	
Closed in		1810 1804.4		1784 1840.4		240 *	
Third Period Flow Initial							
Final		*See attached incremental reading sheet.					
Closed in							
Final Hydrostatic		2306 2333.4		2355 2371.1			

Casing perms. _____ Bottom choke .75" Surf. temp _____ °F Ticket No. 836315
 Gas gravity _____ Oil gravity _____ GOR _____ PAGE #1
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
12:00						On location-rig pulling drill pipe.
13:30						Started to pick up tools.
15:00						Started in hole.
17:45						Set packers.
17:48			30# GAUGE			Opened tool.
17:49		1/8"	0	.528		1" blow in water.
17:50		"	0	1.06		4" "
17:51		"	0	1.39		7" "
17:55		"	0	1.83		12" "
18:00		"	0	1.83		12" "
18:03			20# GAUGE			Closed tool for closed in pressure-blow
18:34		"	7 1/2 oz.	1.91		continued throughout closed in. Opened tool with 20 oz. gauge on line.
18:39		"	9 oz.	2.05		20 oz. gauge on line.
18:44		"	10 oz.	2.18		"
18:49		"	14 oz.	2.59		"
18:54		"	15 oz.	2.69		"
18:59		"	16 oz.	2.79		"
19:00		"				Opened to 2" flare line.
19:25		"				Closed back to bubble hose-1/8" ID.
19:30		"	5 oz.	1.59		20 oz. gauge on line.
19:35		"	6 oz.	1.67		"
19:40		"	10 oz.	2.18		"
19:45		"	12 oz.	2.40		"
19:50		"	15 oz.	2.69		"
19:55		"	16 oz.	2.79		"

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 836315
Gas gravity _____ Oil gravity _____ GOR _____ PAGE #2
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

[illegible]

DIAMOND SHAMROCK CORPORATION
Lease Owner/Company Name

836315
Ticket Number PAGE #1

B.T. 205

B.T. 192

B.T. _____

Depth 4897'-12 Hr.

Depth 4984'-12 Hr.

Depth _____

Time Minutes	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Minutes	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
First Flow...			First Flow...					
0		20.9	0		65.9			
3		22.0	3		60.3			
6		25.9	6		61.4			
9		28.2	9		64.6			
12		31.3	12		67.2			
14.3		34.0	14.6		69.1			
Initial CIP...			Initial CIP...					
0		34.0	0		69.1			
3		215.7	3		259.9			
6		466.7	6		501.2			
9		753.0	9		772.0			
12		1007.2	12		1016.9			
15		1272.5	15		1285.2			
18		1421.4	18		1445.8			
21		1514.6	21		1542.4			
24		1578.0	24		1611.0			
27		1623.7	27		1660.2			
30.3		1660.9	30.3		1698.6			
Second Flow...			Second Flow...					
0		42.1	0		80.0			
15		58.0	15		92.0			
30		66.3	30		99.6			
45		72.5	45		104.9			
60		80.4	60		112.0			
75		87.6	75		119.5			
90		94.4	90		125.8			
105		100.1	105		132.3			
121.8		107.7	122.3		138.8			
Second CIP...			Second CIP...					
0		107.7	0		138.8			
15		825.4	15		836.0			
30		1429.8	30		1448.1			
45		1663.1	45		1691.6			
60		1735.5	60		1766.4			
75		1761.2	75		1795.2			
90		1776.7	90		1810.5			
105		1786.4	105		1820.8			
120		1793.1	120		1826.4			
135		1796.8	135		1831.7			
150		1798.6	150		1833.7			

Remarks: _____

836315
Ticket Number PAGE #2

B.T. _____

Depth _____

[illegible]

Remarks: _____



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	4 1/2"	3.826"	4305'	
Drill Collars	6 1/2"	2.375"	492.34'	
Reversing Sub	6 1/2"	2 1/4"	1'	4798.84'
Water Cushion Valve				
Drill Pipe	6 1/2"	2.375"	90'	
Drill Collars	6"	2 1/2"	1.50' X OVER	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.75"	7'	4890'
Dual CIP Sampler	5"	.75"	5'	4895'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4897'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	5.75'	4912'
Distributor	5"	1.63"	2'	
Packer Assembly	6 3/4"	1.53"	5.75'	4920'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5 3/4"	3.80"	61'	
Blanked-Off B.T. Running Case	5 3/4"	2.50"	4.16'	4984'
Total Depth				4987'

NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b₁	= Approximate Radius of Investigation (Net Pay Zone h ₁)	Feet
D.R.	= Damage Ratio	—
EI	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h₁	= Net Pay Thickness	Feet
K	= Permeability	md
K₁	= Permeability (From Net Pay Zone h ₁)	md
m	= Slope Extrapolated Pressure Plot (Psi ² /cycle Gas)	psi/cycle
OF₁	= Maximum Indicated Flow Rate	MCF/D
OF₂	= Minimum Indicated Flow Rate	MCF/D
OF₃	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF₄	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_{or}	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q₁	= Theoretical Production w/Damage Removed	bbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	—
μ	= Viscosity Gas or Liquid	CP
Log	= Common Log	

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100° F.

LTN RESEARCH LABORATORIES

PO Box 266

For: Duchesne Lt: 64026

(801) 722-2254

H₂S MONITORING

JUN 5 1967

Run Number | 810390

Run Number
DIVISION OF
OIL, GAS & MINING

Sample Data

Diamond Shamrock

12

Description:

DST #1

$$Q = U \cdot h_u \cdot P_u =$$

Location:

Allen Fed. 32-6

Line Press., PSI

A.T.M. Temp.

F.G. Temp.	
------------	--

Volume, MCF/D @ 14.7-60

cf

• F

(0)

Submitted by:

Month

Day

Hour	Temperature	Wind	Clouds	Remarks
01	55	10	100	Clear
02	54	10	100	Clear
03	53	10	100	Clear
04	52	10	100	Clear
05	51	10	100	Clear
06	50	10	100	Clear
07	49	10	100	Clear
08	48	10	100	Clear
09	47	10	100	Clear
10	46	10	100	Clear
11	45	10	100	Clear
12	44	10	100	Clear
13	43	10	100	Clear
14	42	10	100	Clear
15	41	10	100	Clear
16	40	10	100	Clear
17	39	10	100	Clear
18	38	10	100	Clear
19	37	10	100	Clear
20	36	10	100	Clear
21	35	10	100	Clear
22	34	10	100	Clear
23	33	10	100	Clear
24	32	10	100	Clear

Year

81

Dale Gowen - Halliburton

Remarks

Collected by Boyd C. Rich - Halliburton

ANALYSIS

	MOLE [%]	G.P.M.	LIQUID [%]
HYDROGEN-SULFIDE			
HELIUM			
CARBON-DIOXIDE	.29		
NITROGEN	.63		
METHANE	43.39		
ETHANE	20.05		
PROPANE	18.80	5.161	45.69
ISO-BUTANE	3.58	1.168	10.34
N-BUTANE	7.02	2.207	19.54
ISO-PENTANE	1.88	.686	6.08
N-PENTANE	2.22	.802	7.10
HEXANES & Higher	3.10	1.272	11.26
XXXXXXXXXXXX			
02 + Argon	.05		
TOTAL	100.00	11.296	100.00

HEATING VALUE

B.T.U./CU. FT. 30 IN. HG. 60°F, DRY

CALCULATED	1925
------------	------

OBSERVED

SPECIFIC GRAVITY

CALCULATED 1.152

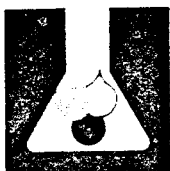
OBSERVED

COPIES TO

ANALYST:

APPROVED

ADDITIONAL REMARKS AND DATA



LITE RESEARCH LABORATORIES

P. O. Box 266

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER 810391
SAMPLE TAKEN 5-4-81
SAMPLE RECEIVED 5-4-81
RESULTS REPORTED _____

SAMPLE DESCRIPTION _____ FIELD NO. _____
COMPANY Diamond Shamrock LEASE Allen-Fed. WELL NO. 32-6
FIELD _____ COUNTY _____ STATE _____
SAMPLE TAKEN FROM _____
PRODUCING FORMATION _____ TOP _____
REMARKS DST #1 Sample Chamber

SAMPLE TAKEN BY Boyd C. Rich

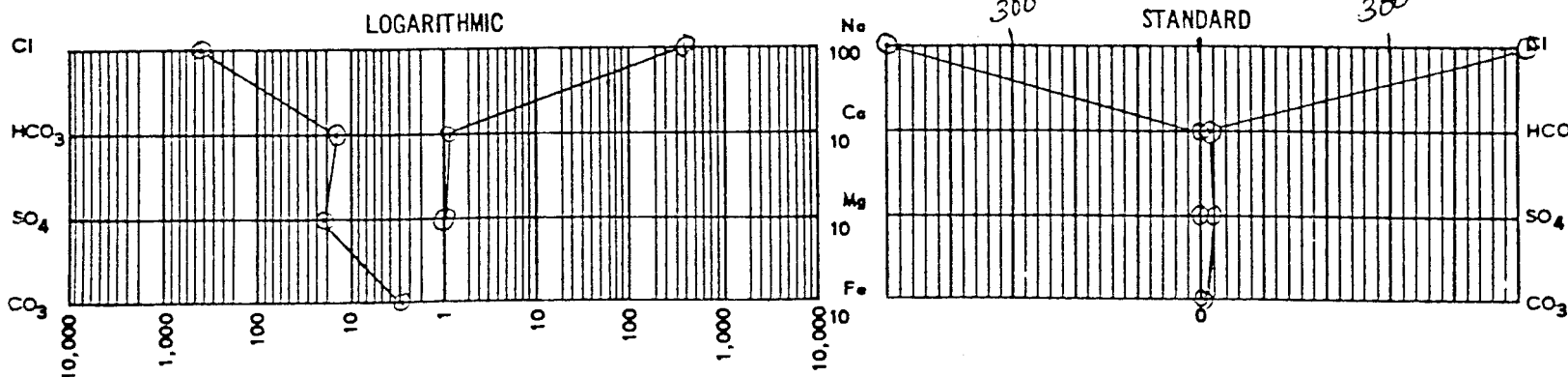
CHEMICAL AND PHYSICAL PROPERTIES

SPECIFIC GRAVITY @60/60° F. 1.0211 pH 8.57 RES. 0.28 OHM METERS @ 77°F

TOTAL HARDNESS 113 mg/L as CaCO₃ TOTAL ALKALINITY 1,751 mg/L as CaCO₃

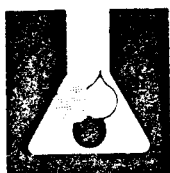
CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L	REMARKS
CALCIUM - Ca ++	26.5	1.32	
MAGNESIUM - Mg ++	11.4	.94	
SODIUM - Na +	11,400	495.65	
Chromium (as CrO ₄ ⁻²)	37.3		
BARIUM (INCL. STRONTIUM) - Ba ++	0.7	.01	
TOTAL IRON - Fe ++ AND Fe +++	0.20	.01	
BICARBONATE - HCO ₃ ⁻	953	15.62	
CARBONATE - CO ₃ ⁻⁻	113	3.78	
SULFATE - SO ₄ ⁻⁻	1,070.	22.28	
CHLORIDE - CL -	18,900	532.99	
TOTAL DISSOLVED SOLIDS	27,840		

MILLEQUIVALENTS PER LITER



ANALYST _____

CHECKED _____



LITE RESEARCH LABORATORIES

P. O. Box 266

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER 810392
SAMPLE TAKEN 5-4-81
SAMPLE RECEIVED 5-4-81
RESULTS REPORTED _____

SAMPLE DESCRIPTION _____ FIELD NO. _____
COMPANY Diamond Shamrock LEASE Allen-Fed. WELL NO. 32-6
FIELD _____ COUNTY _____ STATE _____
SAMPLE TAKEN FROM _____
PRODUCING FORMATION _____ TOP _____
REMARKS _____

DST #1 Top of Fluid

SAMPLE TAKEN BY Boyd C. Rich

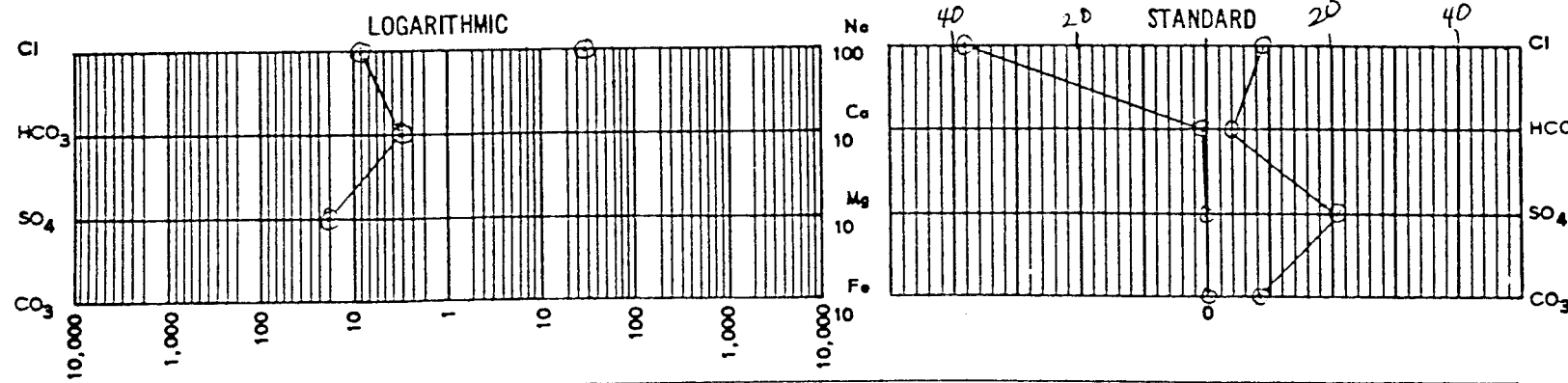
CHEMICAL AND PHYSICAL PROPERTIES

SPECIFIC GRAVITY @60/60° F. 1.0026 pH 10.2 RES. 2.33 OHM METERS @ 77°F

TOTAL HARDNESS 45.5 mg/L as CaCO₃ TOTAL ALKALINITY 823 mg/L as CaCO₃

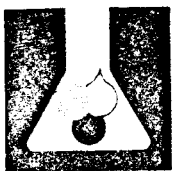
CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L	REMARKS
CALCIUM - Ca ++	15.5	.77	
MAGNESIUM - Mg ++	1.6	.13	
SODIUM - Na +	875	38.04	
Chromium (as CrO ₄ ⁻²)	351		
BARIUM (INCL. STRONTIUM) - Ba ++	0.1	.00	
TOTAL IRON - Fe ++ AND Fe +++	0.11	.00	
BICARBONATE - HCO ₃ ⁻	246	4.03	
CARBONATE - CO ₃ ⁻⁻	252	8.40	
SULFATE - SO ₄ ⁻⁻	1,020.	21.24	
CHLORIDE - CL -	320	9.02	
TOTAL DISSOLVED SOLIDS	3,300.		

MILLEQUIVALENTS PER LITER



ANALYST _____

CHECKED _____



LITE RESEARCH LABORATORIES

P. O. Box 266

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER 810393
SAMPLE TAKEN 5-4-81
SAMPLE RECEIVED 5-4-81
RESULTS REPORTED _____

SAMPLE DESCRIPTION _____ FIELD NO. _____
COMPANY Diamond Shamrock LEASE Allen-Fed. WELL NO. 32-6
FIELD _____ COUNTY _____ STATE _____
SAMPLE TAKEN FROM _____
PRODUCING FORMATION _____ TOP _____
REMARKS _____

DST #1 Middle Fluid

SAMPLE TAKEN BY Boyd C. Rich

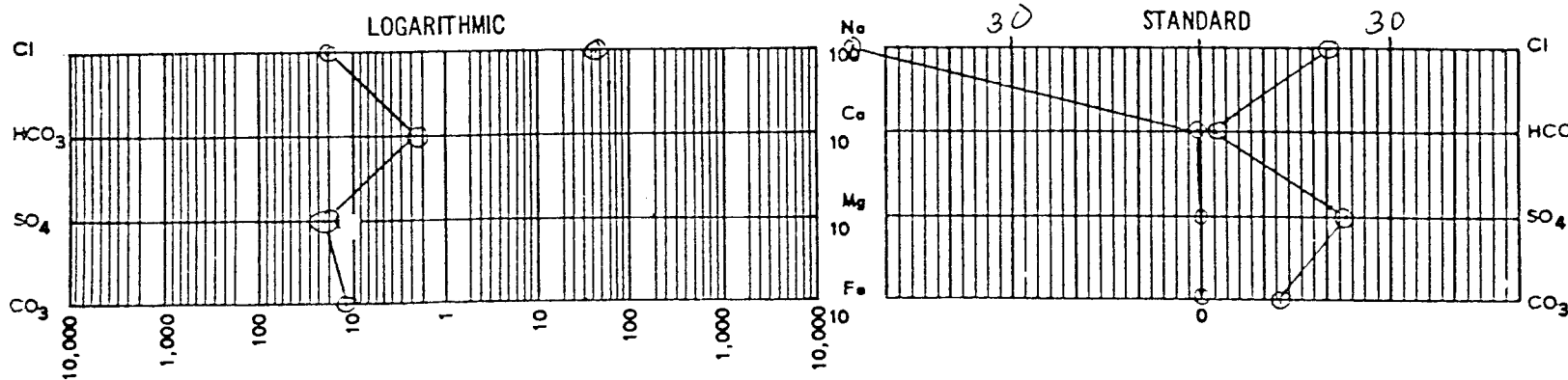
CHEMICAL AND PHYSICAL PROPERTIES

SPECIFIC GRAVITY @60/60° F. 1.0028 pH 10.15 RES. 1.89 OHM METERS @ 77°F

TOTAL HARDNESS 30.8 mg/L as CaCO₃ TOTAL ALKALINITY 887 mg/L as CaCO₃

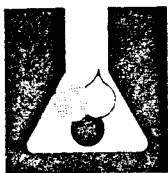
CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L	REMARKS
CALCIUM - Ca ++	10.9	.54	
MAGNESIUM - Mg ++	0.83	.07	
SODIUM - Na +	1270	55.22	
Chromium (as CrO ₄ ⁻²)	351		
BARIUM (INCL. STRONTIUM) - Ba ++	0.1	.00	
TOTAL IRON - Fe ++ AND Fe +++	0.09	.00	
BICARBONATE - HCO ₃ ⁻	157	2.57	
CARBONATE - CO ₃ ⁻⁻	37.8	12.60	
SULFATE - SO ₄ ⁻⁻	1,111.	23.13	
CHLORIDE - CL -	729	20.56	
TOTAL DISSOLVED SOLIDS	3720		

MILLEQUIVALENTS PER LITER



ANALYST _____

CHECKED _____



LITE RESEARCH LABORATORIES

P. O. Box 266

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER 810394

SAMPLE TAKEN 5-4-81

SAMPLE RECEIVED 5-4-81

RESULTS REPORTED _____

SAMPLE DESCRIPTION

COMPANY Diamond Sham rock

LEASE Allen Federal

FIELD NO. _____

WELL NO. 32-6

FIELD _____ COUNTY _____ STATE _____

SAMPLE TAKEN FROM _____

PRODUCING FORMATION _____ TOP _____

REMARKS DST #1 Bottom of Fluid

SAMPLE TAKEN BY Boyd C. Rich

CHEMICAL AND PHYSICAL PROPERTIES

SPECIFIC GRAVITY @60/60° F. 1.0020 pH 10.45 RES. 2.12 OHM METERS @ 77°F

TOTAL HARDNESS 25.6

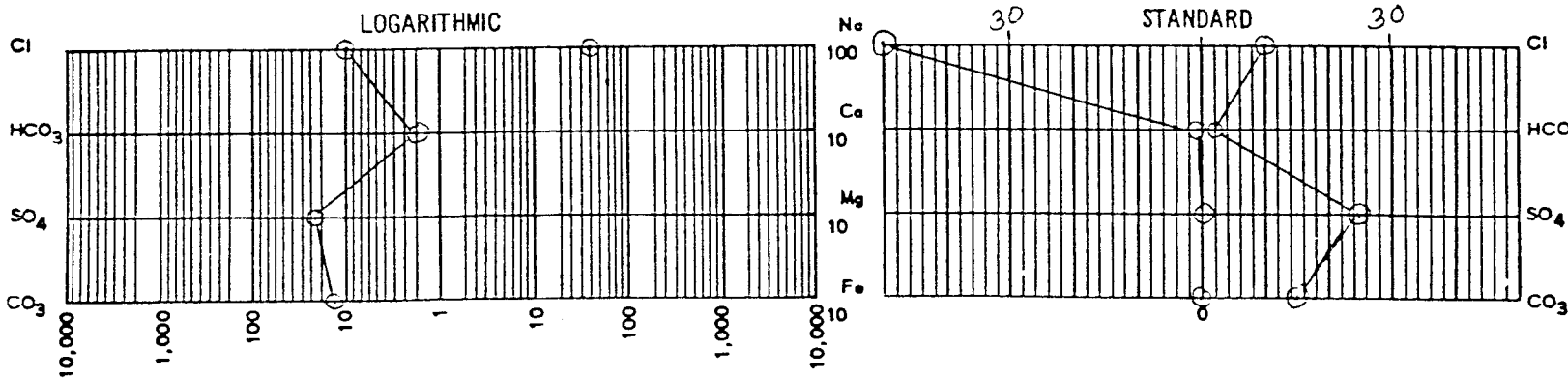
mg/L as CaCO₃

TOTAL ALKALINITY 932

mg/L as CaCO₃

CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L	REMARKS
CALCIUM - Ca ++	9.7	.48	
MAGNESIUM - Mg ++	0.28	.02	
SODIUM - Na +	1140	49.57	
Chromium (as CrO ₇ ²⁻)	395		
BARIUM (INCL. STRONTIUM) - Ba ++	0.1	.00	
TOTAL IRON - Fe ++ AND Fe +++	0.15	.01	
BICARBONATE - HCO ₃ ⁻	123	2.02	
CARBONATE - CO ₃ ⁻⁻	438	14.60	
SULFATE - SO ₄ ⁻⁻	1,200.	24.98	
CHLORIDE - CL -	354	9.98	
TOTAL DISSOLVED SOLIDS	3,200.		

MILLEQUIVALENTS PER LITER



ANALYST _____

CHECKED _____

GEOLOGIC WELL REPORT

DIAMOND SHAMROCK CORPORATION

OPERATOR

ALLEN-FED. 32-6
SWNE 6, T9S-R17E, S1M, DUCHESNE COUNTY, UTAH
MONUMENT BUTTE FIELD
May 1981

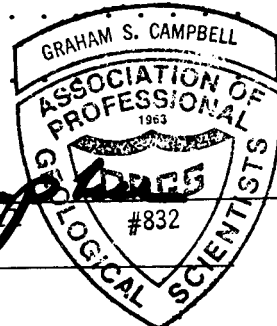
RECEIVED
MAY 19 1981

Contents

DIVISION OF
OIL, GAS & MINING

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G. S. Campbell
G. S. Campbell



GRAHAM S. CAMPBELL

LIFE MEMBER

CERTIFIED PROFESSIONAL GEOLOGIST 832
GEOLOGICAL ENGINEER

BASICS/STATISTICS/PERSONNEL

Operator - Diamond Shamrock Corporation

Location - SWNE 6, T9S-R17E, SLM, Duchesne County, Utah
Monument Butte Field

Elevations - 5337 KB 5323 GL

Spud - 23 April 1981

Finish Drilling - 5 May 1981 (13 days)

TD - 5400' in lower Green River black shale

Drilling Contractor - Brinkerhoff-Signal Rig #85, Natl 370; Pump: Triplex
6" x 7". Average rate: 6-7 bbs/minute

1

Company Representative - Bill Foster

Wellsite Geology - G. S. Campbell

Mud (Hydrocarbon) Logging - Underwood Company
Operators - Mike Flaniken and Carey

Drilling Mud - Milkem

Casing - 8-5/8" (24#) @ 260' KB
5-1/2" (15.5#) @ 5400' KB

GRAHAM S. CAMPBELL



LIFE MEMBER

CERTIFIED PROFESSIONAL GEOLOGIST 832
GEOLOGICAL ENGINEER

GEOLOGIC RATIONALE

To in-fill drill the Douglas Creek member sands of the Tertiary Green River formation in the Monument Butte Field.

GENERALIZED RESULTS

The 4920' sand drill stem test results were sufficient to justify completion. The 5240' sand was even better.

FORMATION TOPS

Surface Uinta	+5337 KB	5323 GL
Green River Fm		1500'
Horse Bench SS		2300
Gas mrkr		2975
Douglas Ck mbr		4730
Pay sands		4920
Pay sands		5235
TD Blk Sh		5400

2

GEOLOGIC-OPERATIONAL LOG EXPLANATION

Log attached records lithology, bit record, hole conditons, hot wire gas kicks, shows, tests, cores, deviation, chronology and all drilling events.

GRAHAM S. CAMPBELL



LIFE MEMBER

CERTIFIED PROFESSIONAL GEOLOGIST 832
GEOLOGICAL ENGINEER

DRILLING SEQUENCE/CASING/MUD

12-1/4" clear water drl'd to 265', ran 260' (KB) 24# 8-5/8" csg with 190SX, clear water drl'd 7-7/8" hole to 4500', mud up, drl'd to 5400' TD. Ran 5400' of 5-1/2" casing, calculated fill up to 4000' then DV tool at 3200' to cover oil shale to 1500'.

BIT RECORD

See Drilling Summary Chart or Geologist Log.

3

DEVIATION

See Drilling Summary Chart or Geologist Log.

LOGS, MAINTAINED OR RUN

Geologist's litho-operational, mud loggers daily log and E. logs-DIL-SFL, SONIC-GR, FDC-CNL and CYBERLOOK.

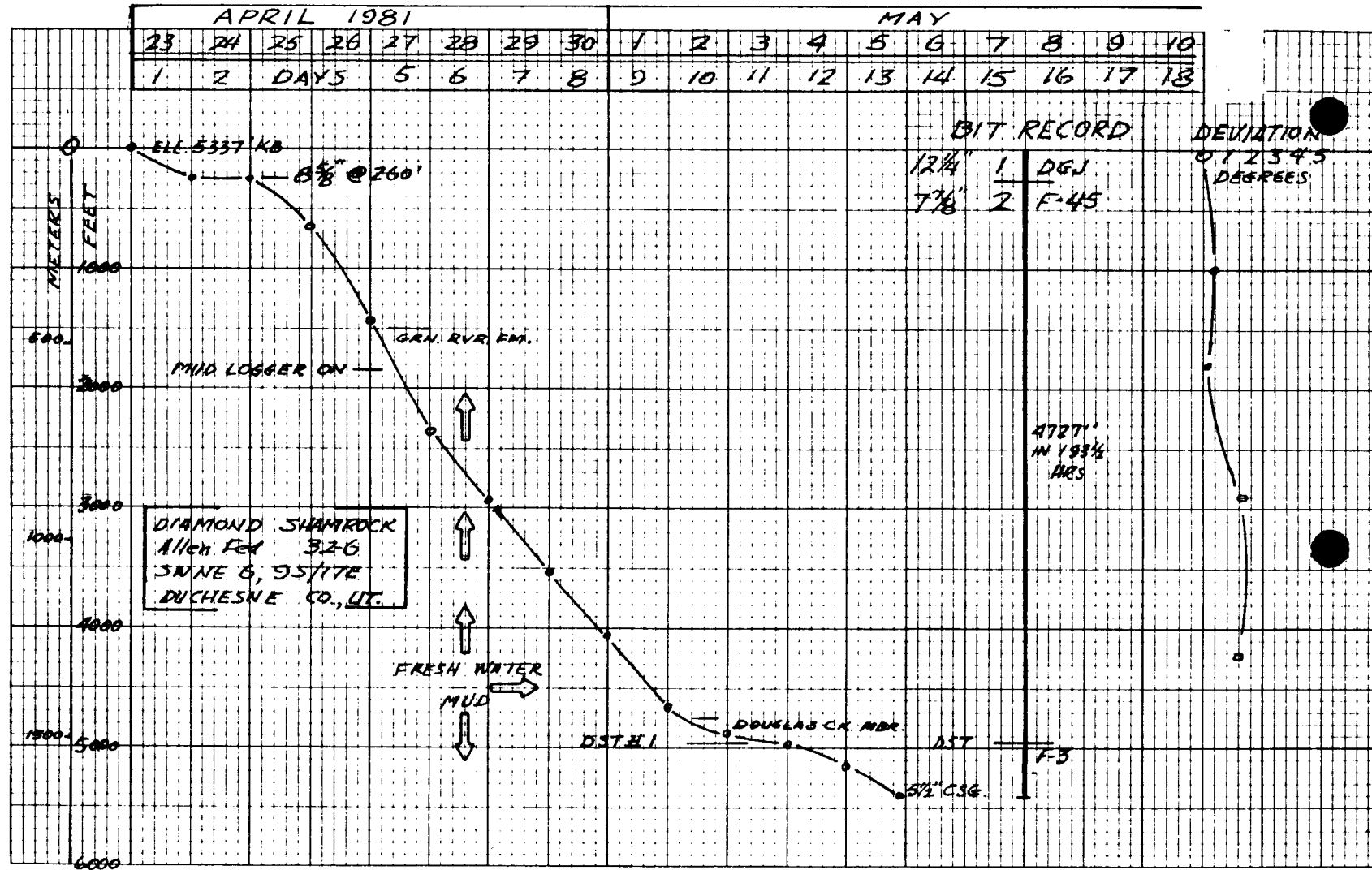
GRAHAM S. CAMPBELL



LIFE MEMBER

CERTIFIED PROFESSIONAL GEOLOGIST 832
GEOLOGICAL ENGINEER

DRILLING SUMMARY CHART



CORES

None.

STATUS

WOCT

DISTRIBUTION - THIS REPORT

Diamond Shamrock Corporation
Denver Office

4 copies

6

Diamond Shamrock
Casper Office

1 copy

Diamond Shamrock
Vernal Office

1 copy

USGS
Salt Lake City office

1 copy

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining

1 copy

GRAHAM S. CAMPBELL



LIFE MEMBER

CERTIFIED PROFESSIONAL GEOLOGIST 832
GEOLOGICAL ENGINEER

Diamond Shamrock Fed Allen 32-6, 6/9S/17E, Utah

DST #1 REPORT

Circumstances: Drilling Douglas Creek member of Green River fm. @ 5 min/ft with 9.1 lb, 28 vis. mud @ 4920'. Hit sand; brown, m.g., rounded grains, oil stained, vis. porosity fair, good fluorescence and streaming cut. Drilling rate dropped to 1.4 min/ft from 4920'-25' then 3 min to 30', 2.6 min to 35', 3.8 min to 40', then back to 5 min/ft. Gas units increased from 5 background to 60 at 4930' (10 feet below sand top) and started tapering off after only 3 feet, back to normal after 12 feet. Chromatograph showed C1, C2, C3 and questionable C4 breakdown.

Interval: 4920-87 (67')

Times: I.O. (1745 hr. 3 May 1981) 15 min., good blo. imm. rolled bucket in 7 min. incr. thruout. ISI 30 min., F.O. 2 hours str. blo. imm. incr. thruout to 1-3/4 psi against 1/8" choke. FSI 4 hrs. Gas to surf. 20 min after F.O.

IH	2334 psi	FH	2306
IF	27-55	FF	55-137
ISI	1672	FSI	1810

Recovered 190' (48 gal) mud cut oil
BHT 130°

Field Conclusions - Comments: Effective test. Sand will produce oil and respond to frak-stimulation. Permeability only fair. Zone is sufficient to justify running casing.

Sample Disposition: Recovery fluid sent to Ute Lab, Fort Duchesne, Utah.

GRAHAM S. CAMPBELL



LIFE MEMBER

CERTIFIED PROFESSIONAL GEOLOGIST 832
GEOLOGICAL ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____										
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____								
2. NAME OF OPERATOR Diamond Shamrock Corporation															
3. ADDRESS OF OPERATOR 5730 W. Yellowstone Casper, Wyoming 82601															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1,949' FEL & 2,102' FNL At top prod. interval reported below At total depth															
14. PERMIT NO. 43-013-30559				DATE ISSUED 1-9-81											
15. DATE SPUDDED 4-23-81	16. DATE T.D. REACHED 5-6-81	17. DATE COMPL. (Ready to prod.) 5-28-81	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5,324' GR		19. ELEV. CASINGHEAD N/A										
20. TOTAL DEPTH, MD & TVD 5,401' MD		21. PLUG, BACK T.D., MD & TVD 5,365' MD		22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS 0 - 5410	CABLE TOOLS N/A								
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5,232' - 5,254' 4,912' - 4,934' Green River Douglas Creek							25. WAS DIRECTIONAL SURVEY MADE Yes								
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL SFL, Sonic, Gamma Ray, Cyberlook, FDC/CNL							27. WAS WELL CORED No								
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
8 5/8"		24.0#		260'		12 1/4"		190 SXS.		N/A					
5 1/2"		14.0 & 15.5#		5,401'		7 7/8"		355 SXS.		N/A					
29. LINER RECORD								30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2 3/8"		5,261'		N/A	
31. PERFORATION RECORD (Interval, size and number)								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
5,232' - 5,254' 2 holes/ft.								DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
4,912' - 4,934' 2 holes/ft.								5,232' - 5,254'				1500 gal HCL, 43000 gal Gel			
46 holes												55000# 20/40 sand, 32000# 10/20 sand			
								4,912' - 4,934'				15000 gal 15% HCL, 54050 gal Gel			
												35000# 20/40 sand, 32000# 10/20 sand.			
33.* PRODUCTION								WELL STATUS (Producing or shut-in) Producing							
DATE FIRST PRODUCTION 6-5-81		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping													
DATE OF TEST 5-28-81		HOURS TESTED 24		CHOKE SIZE		PROD'N. FOR TEST PERIOD →		OIL—BBL. 100		GAS—MCF. 30		WATER—BBL. 16		GAS-OIL RATIO 300:1	
FLOW. TUBING PRESS. 0		CASING PRESSURE 40		CALCULATED 24-HOUR RATE →		OIL—BBL. 100		GAS—MCF. 30		WATER—BBL. 16		OIL GRAVITY-API (CORR.) 30			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel								TEST WITNESSED BY Bill Elliott							
35. LIST OF ATTACHMENTS 2 copies of geologist report															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.															
SIGNED <u>Kirk J. Smith</u>				TITLE <u>Dist. Drlg. Engr.</u>				DATE <u>6-5-81</u>							

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See Instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal, and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference: (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Douglas Creek	4,920'	4,987'	DST #1 - no cushion Open 15 mins. Close 30 mins. Open 120 mins. Close 240 mins. (gas to surface in 26 mins.) IH - 2334 PSI IF - 27 - 55 ISL - 1672 FF - 55 - 137 FSI - 1810 FH - 239C Recovers 190' oil cut mud

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Green River Form.	1,500'	
Horse Bench SS	2,300'	
Gas Mrkr	2,975'	
Douglas Creek	4,730'	
Pay sands	4,920'	
Pay sands	5,235'	
TD BIK Sh	5,400'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

2. NAME OF OPERATOR

Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR

5730 W. Yellowstone Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1,949' FEL & 2,102' FNL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

43-013-30559

JUN 20

DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Allen Federal

9. WELL NO.

32-6

10. FIELD AND POOL, OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 6, T9S, R17E

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

15. DATE SPUDDED

4-23-81

16. DATE T.D. REACHED

5-6-81

17. DATE COMPL. (Ready to prod.)

5-28-81

18. ELEVATIONS (DF, REB, BT, GR, ETC.)*

5,324' GR

19. ELEV. CASINGHEAD

N/A

20. TOTAL DEPTH, MD & TVD

5,401' MD

21. PLUG, BACK T.D., MD & TVD

5,365' MD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

10 - 5410

N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

5,232' - 5,254'

4,912' - 4,934' Green River - Douglas Creek

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL SFL, Sonic, Gamma Ray, Cyberlook, FDC/CNL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24.0#	260'	12 1/4"	190 sxs.	N/A
5 1/2"	14.0 & 15.5#	5,401'	7 7/8"	355 sxs. 1st stage	N/A
				340 sxs. 2nd stage	
				D.V. Tool @ 3,342' KB	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5,261'	N/A

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

5,232' - 5,354' 2 holes/ft.

4,912' - 4,934' 2 holes/ft.

46 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5,232' - 5,254'	1500 gal HCL, 43,000 gal Gel
	55,000# 20/40 sand, 32,000#
	10/20 sand
4,912' - 4,934'	15000 gal 15% HCL, 54050 gal Gel

33.* PRODUCTION 35000# 20/40 sand, 32000# 10/20 sand

DATE FIRST PRODUCTION 6-5-81 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-28-81	24			100	30	16	300:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0	40		100	30	16		30

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for fuel

TEST WITNESSED BY

Bill Elliott

35. LIST OF ATTACHMENTS

2 Copies of Geologist report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Dist. Dirg. Supt.

DATE 6-15-81

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

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SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

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38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Green River Form.	1,500'	
Horse Bench SS	2,300'	
Gas Mkr	2,975'	
Douglas Creek	4,730'	
Pay sands	4,920'	
Pay sands	5,235'	
TD BIK Sh	5,400'	

July 7, 1981

Diamond Shamrock Corporation
5730 West Yellowstone
Casper, Wyoming 82601

Re: Well No. Allen Federal #32-6
Sec. 6, T. 9S, R. 17E
Duchesne County, Utah

Gentlemen:

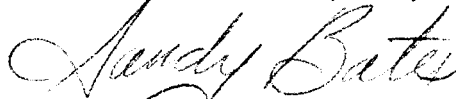
According to our records, a "Well Completion Report" filed with this office 6-15-81, from above referred to well indicates the following electric logs were run: DIL, SFL, Sonic, Gamma Ray, Cyberlook, FDC/CNL. As of today's date this office has not received these logs: DIL, SFL, Gamma Ray, Cyberlook, FDC/CNL.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Sandy Bates
Clerk-Typist

/lm

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
DIAMOND CHEMICAL CO. (formerly DIAMOND SHAMROCK)
3. ADDRESS OF OPERATOR
P.O. Drawer "E", Vernal, Utah 84078
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) lay surface gas lines	<input checked="" type="checkbox"/>		<input type="checkbox"/>

5. LEASE
U-020252A ✓
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
ALLEN FEDERAL ✓
9. WELL NO.
10. FIELD OR WILDCAT NAME
Monument Butte Field
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 6, T9S, R17E
12. COUNTY OR PARISH
Duchesne
13. STATE
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

DIAMOND CHEMICAL COMPANY requests permission to lay a dry gas distribution system to all wells within federal lease U-020252A. These dry gas lines will be 1" and 2" polyethylene pipe and will be laid parallel to the existing wet gas gathering system as shown on the attached topo map. Approximate pressure will be 50 psig.

These lines will be laid along lease and access roads wherever possible, will be cased and buried at road crossings, and will not create a surface disturbance.

The laying of these lines will allow DIAMOND CHEMICAL to severely reduce the amount of downtime we are now experiencing caused by the condensation of liquids in fuel gas lines on existing locations & thus increase oil & gas production from this lease.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

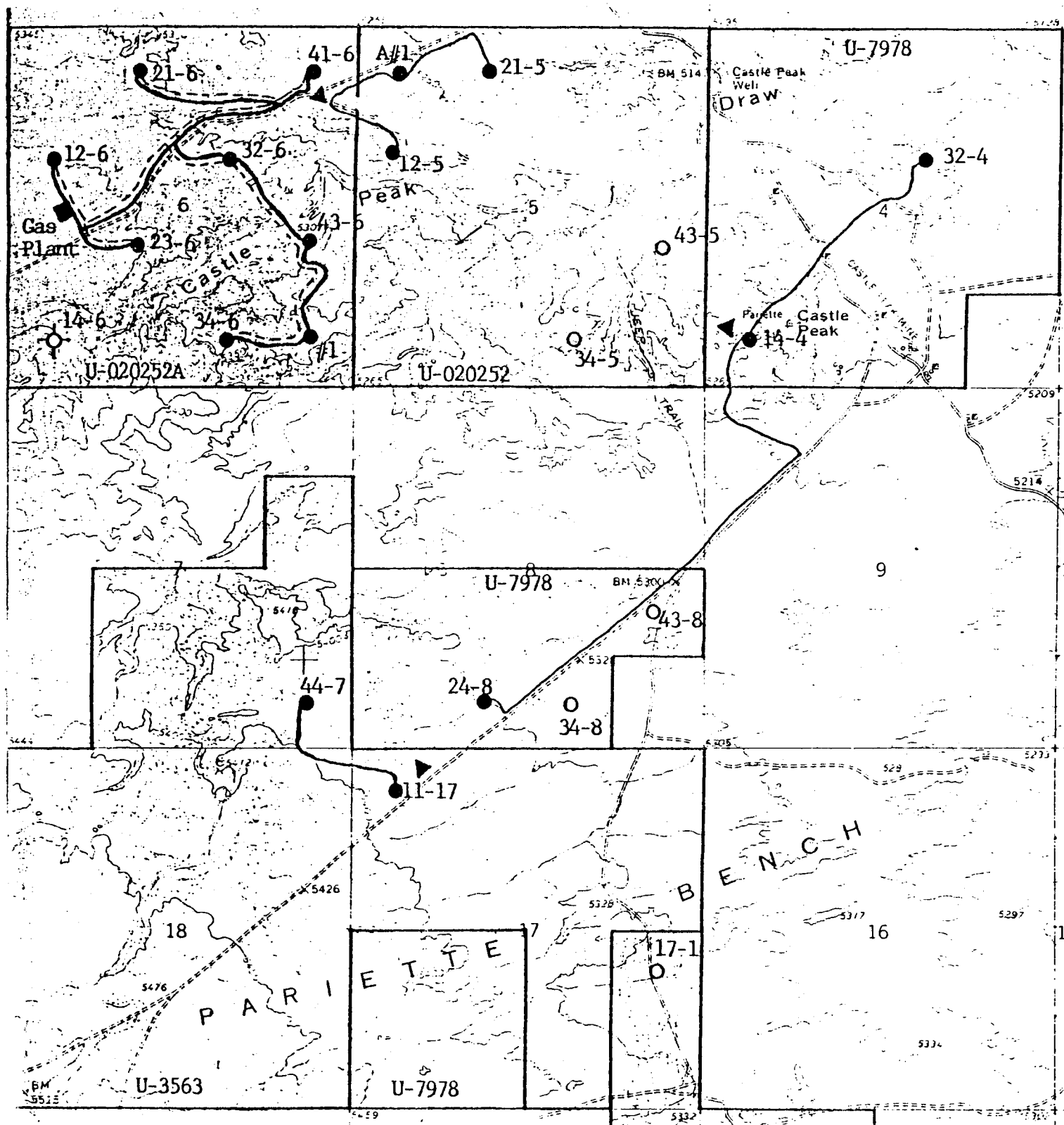
18. I hereby certify that the foregoing is true and correct

SIGNED John H. Ronk TITLE Production Engineer DATE 9-12-83

(This space for Federal or State official use only)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 9/15/83
BY: [Signature]



**MONUMENT BUTTE FIELD
GAS GATHERING SYSTEM**

— Existing Gas Line

- - - Proposed Gas Line

▲ Proposed Metering Facility



UTAH
NATURAL RESOURCE
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. (801-538-5340)

Page 1 of 6

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DIAMOND SHAMROCK EXPL.
2001 ROSS AVE #1500
DALLAS TX 75201
ATTN: PAT COTE

RECEIVED
JUN 05 1987

Utah Account No. N0340

Report Period (Month/Year) 4 / 87

Amended Report ☐

DIVISION OF
OIL, GAS & MINING

Well Name API Number Entity Location	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
X ALLEN FEDERAL #1 4301315779 01110 09S 17E 6	GRRV	23	71	238	-0-
X EAST RED WASH 2-5 4304720252 01112 08S 25E 5	GRRV	-0-	-0-	-0-	-0-
X ALLEN FEDERAL A-1 4301315780 01115 09S 17E 5	GRRV	-0-	-0-	-0-	-0-
X ALLEN FEDERAL 23-6 4301330558 01120 09S 17E 6	GRRV	30	225	1825	7
X ALLEN FEDERAL 32-6 4301330559 01120 09S 17E 6	GRRV	30	115	925	-0-
X ALLEN FEDERAL 41-6 4301330581 01120 09S 17E 6	GRRV	30	321	2838	-0-
X ALLEN FEDERAL 43-6 4301330583 01120 09S 17E 6	GRRV	30	199	1705	26
X ALLEN FEDERAL 21-6 4301330584 01120 09S 17E 6	GRRV	30	230	1234	-0-
X ALLEN FEDERAL 34-6 4301330586 01120 09S 17E 6	GRRV	30	209	1577	8
X ALLEN FEDERAL 13-6 4301330918 01120 09S 17E 6	GRRV	30	125	1047	-0-
X ALLEN FEDERAL 22-6 4301330919 01120 09S 17E 6	GRRV	30	186	2692	8
X ALLEN FEDERAL 12-5 4301330611 01125 09S 17E 5	GRRV	30	230	1186	-0-
X ALLEN FEDERAL 12-6 4301330582 01135 09S 17E 6	GRRV	30	556	2595	3
TOTAL			2467	17862	52

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date 6-2-87

Pat Cote
Authorized signature

Telephone (214) 979-2822

COMPANY: MAXUS EXPLORATION CO UT ACCOUNT # _____ SUSPENSE DATE: 6-10-87
(FORMERLY DIAMOND SHAMROCK EXPLORATION CO)

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: PAT COTE (PAT PRONOUNCES HER NAME "COATEE")

CONTACT TELEPHONE NO.: (214) 777-2822

SUBJECT: OPERATOR CHANGE - DIAMOND SHAMROCK EXPLORATION CO TO MAXUS EXPL CO

(Use attachments if necessary)

RESULTS: PAT SAID SHE WOULD PROVIDE: LTR OF EXPLANATION FOR 1) EFFECTIVE DATE,
2) BONDING, 3) ENTITY REVIEW, 4) WELLS IN QUESTION, 5) ADDRESS & TEL
FOR BOTH DRILLING AND PRODUCTION CONTACT PEOPLE,

SHE WILL USE GOVT A SUPPLEMENTED COPY OF TAD TO IDENTIFY ALL
WELLS, INCLUDING DRILLING AND INJECTION

(Use attachments if necessary)

CONTACTED BY: [Signature]

DATE: 6-2-87

Maxus Energy Corporation
LTV Center
2001 Ross Avenue
Dallas, Texas 75201
214 979-2800

RECEIVED
JUN 05 1987

060810

DIVISION OF
OIL, GAS & MINING

June 2, 1987

MAXUS

Utah Division of Oil, Gas & Mining
Attn: Norm Stout
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Mr. Stout,

Regarding your request for information concerning the change of name of our company from Diamond Shamrock Exploration, to Maxus Exploration Company:

1. New replacement bond is being taken care of by Sherry Neally (214) 953-2858, and will be mailed to you shortly by Judy Tate (806) 378-3876.

2. Contact names will remain the same - Kaleb Leake (307) 266-1882, Maxus Exploration Company, P.O. Box 2530, Mills, WY 82644, for drilling and permitting; Pat Cote (214) 979-2822, at the letterhead address, for production and disposition reporting.

3. I am enclosing a copy of our most recent production report. This is a complete list of all wells to be affected by the name change.

4. The name change is effective 4-28-87. All name change notices are being handled by Dick Smith in our Legal Department (214) 953-2979. He assures us that the notices will be sent out in a few days.

5. There are no changes in the division of interest on any of the attached wells, therefore all entity numbers will remain the same.

Thank you for your patience in this matter, and please contact me if there is any other information needed.

Sincerely,

Pat Cote

Pat Cote
Production Clerk, Oil Revenue
Maxus Exploration
(214) 979-2822

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-020252A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
ALLEN FEDERAL

9. WELL NO.
32-6

10. FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SEC. 6, T9S, R17E

12. COUNTY OR PARISH 13. STATE
DUCHESNE UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
MAXUS EXPLORATION COMPANY

3. ADDRESS OF OPERATOR
P. O. BOX 1669, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
1949' FEL & 2102' FNL, SW/NE

14. PERMIT NO.
43-013-30559

15. ELEVATIONS (Show whether OF, RT, OR, etc.)
5324' GR

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☒
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER Casing ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

MAXUS EXPLORATION requests permission to perforate and fracture treat a hydrocarbon bearing zone in the Allen Federal 32-6 well as follows:

1. POOH with rods and tubing.
2. Perforate the new zone at 4246' - 4252' and 4283' - 4289'.
3. Isolate the new zone with a bridge plug and packer.
4. Breakdown and frac new zone.
5. Return well to pumping operations.

ACCEPTED BY THE STATE
OF UTAH DIVISION
OIL, GAS, AND MINES
DATE: 10/10/90
BY: [Signature]

Federal approval of this action
is required before commencing
operation.

18. I hereby certify that the foregoing is true and correct

SIGNED Rodney Brewer TITLE PRODUCTION ENGINEER

DATE 10-10-90

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on re-
verse side)

Budget Bureau No. 1001-0115
Expires August 1, 1991

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen a well. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
DEC 06 1990

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-020252A
2. NAME OF OPERATOR MAXUS EXPLORATION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. BOX 1669, VERNAL, UTAH 84078		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1949' FEL & 2102' FNL SW/NE		8. FARM OR LEASE NAME ALLEN FEDERAL
14. PERMIT NO. 43-013-30559		9. WELL NO. 32-6
15. ELEVATIONS (Show whether DP, RT, GR, etc.) 5324' GR		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE FIELD
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA SEC. 6, T9S, R17E
		12. COUNTY OR PARISH DUCHESSNE
		13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> SQUEEZE CEMENT PERF. INTERVAL	
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MAXUS EXPLORATION wishes to report the squeeze cementing of a new zone in the Allen Federal 32-6. The zone exists from 4246' - 4252' and 4283' - 4289'. The zone was perforated and fracture treated, but due to excessive water production, the zone was squeezed off. After the squeeze, the casing was tested to 3000# and the cement drilled out. We will now return the well to production from the original Green River formation perforations.

18. I hereby certify that the foregoing is true and correct

SIGNED Rodney Brewer
RODNEY BREWER

TITLE PRODUCTION ENGINEER

DATE 12-4-90

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO. SEE ATTACHED LIST
1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR EQUITABLE RESOURCES ENERGY COMPANY		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 21017; Billings, MT 59104 (406)259-7860		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SEE ATTACHED LIST At proposed prod. zone		9. WELL NO.
10. FIELD AND POOL, OR WILDCAT		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
14. API NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY
		13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	Change of Operator <input checked="" type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Effective November 1, 1991, the operator of this well will change from Maxus Exploration Company

TO: EQUITABLE RESOURCES ENERGY COMPANY
P.O. Box 21017
Billings, MT 59104

Effective November 1, 1991, Equitable Resources Energy Company is responsible under the terms and conditions of the lease for operations conducted on the leased lands or a portion thereof under Bureau of Land Management Bond #5547188 issued by Safeco Insurance Co.

RECEIVED

OCT 09 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED _____	TITLE Attorney-in-Fact	DATE October 8, 1991
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

See Instructions On Reverse Side



BALCRON OIL

A Division of
Equitable Resources Energy Company

P.O. Box 21017
1601 Lewis Avenue Building
Billings, Montana 59104
(406) 259-7860

RECEIVED

OCT 09 1991

DIVISION OF
OIL GAS & MINING

October 8, 1991

-- VIA FEDERAL EXPRESS --

Lisha Romero
State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Dear Lisha:

Enclosed are sundry notices for Change of Operator for the wells on the enclosed list. These wells are currently operated by Maxus Exploration Company and are being transferred to:

Balcron Oil
P.O. Box 21017
Billings, MT 59104

The transfer is effective November 1, 1991.

If there is any other information you need or if you have any questions, please give me a call.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental, and Regulatory Affairs

/rs

Enclosures

cc: James M. Pachulski, Maxus Exploration Company

*Thanks for all
your help, Lisha -*

Maxus Exploration Com
P.O. Box 2530
Mills, Wyoming 82644
307 266-1882

RECEIVED

OCT 10 1991

DIVISION OF
OIL GAS & MINING

MAXUS

October 7, 1991

State of Utah
Division of Oil & Gas
3 Triad Center, Ste. 350
Salt Lake City, Utah 84180

Re: Operator Transfer of Maxus
Exploration Company Wells

Dear Sir:

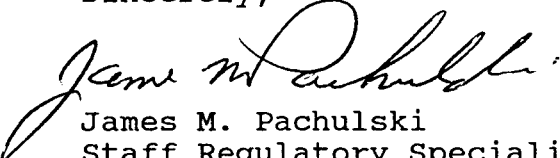
Attached is a list of wells within the State of Utah currently operated by Maxus Exploration Company. These wells are in the process of being transferred to a new operator:

Balcron Oil
P.O. Box 21017
Billings, Montana 59104
Attn: Bobbie Schuman
Coordinator of Environmental and Regulatory
Affairs (406) 259-7860

The transfer will become effective on November 1, 1991. Individual Sundry notices for each well will be forwarded to the BLM with a copy to the State of Utah by Balcron Oil in the near future. These Sundry Notices will include the bond number, effective date and a statement agreeing to be responsible under the terms and conditions of the lease.

Please contact the undersigned if there are any questions. Thank you.

Sincerely,


James M. Pachulski
Staff Regulatory Specialist

JMP:ka

cc: Balcron Oil

Maxus Energy Corporation
717 North Harwood Street
Dallas, Texas 75201
214 953-2000

11/1/91

MAXUS

TO: INTEREST OWNERS

SALES OF WELLS

MAXUS HAS SOLD ALL THEIR NORTH DAKOTA, MONTANA, UTAH, AND
WYOMING (EXCEPT ALPHA FIELD in WYOMING) EFFECTIVE 11/1/91.

TO: BALCON OIL & GAS CO
P. O. BOX 21017
BILLINGS, MT 59104

PRODUCTION DEPT / JENICE FUGERE

PH: 406/259-7860

IT IS MY UNDERSTANDING THAT MAXUS WILL OPERATE THESE WELLS UNTIL
NOVEMBER 1, 1991, ~~BUT THAT IS SUBJECT TO CHANGE.~~ I JUST WANTED TO
GIVE YOU THEIR NAME AND ADDRESS.

Nancy Lawrence

Nancy Lawrence / 214/953-2177
Oil Accounting

RECEIVED

NOV 29 1991

DIVISION OF
OIL GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 SOUTH 500 EAST
VERNAL, UTAH 84078



IN REPLY REFER TO:

3162.3
UT08438

JAN 02 1992

Equitable Resources Energy Company
Attn: Bobbie Schuman
P.O. Box 21017
Billings, Montana 59104

43-013-30559
Re: Well No. Allen Federal 32-6
SWNE, Sec. 6, T9S, R17E
Lease U-020252-A
Uintah County, Utah

Dear Ms. Schuman:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Equitable Resources Energy Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. MT0576, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II
Assistant District Manager for Minerals

cc: Maxus Exploration Company

RECEIVED

JAN 06 1992

DIVISION OF
OIL, GAS & MINING

1-LCR
2-DTS
3-VLC
4-RJF
5-RWM
6-ADA 7-LCR

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 11-1-91)

(new operator) BALCRON OIL
(address) P. O. BOX 21017
1601 LEWIS AVENUE BUILDING
BILLINGS, MT 59104
phone (406) 259-7860
account no. N9890 (12-5-91)

FROM (former operator) MAXUS EXPLORATION COMPANY
(address) 717 N. HARWOOD, STE 2900
DALLAS, TX 75201
JAMES PACHULSKI (WYO)
phone (307) 266-1882
account no. N 0865

Well(s) (attach additional page if needed):

Name: <u>**SEE ATTACHED**</u>	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 10-10-91)
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 10-9-91)
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) If yes, show company file number: dba 097441. (Owned by Equitable Resources Energy Company #134640)
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (1-10-92)
6. Cardex file has been updated for each well listed above. (1-13-92)
7. Well file labels have been updated for each well listed above. (1-13-92)
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (1-10-92)
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 19 . If yes, division response was made by letter dated 19 .

INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

INDEXING

1. All attachments to this form have been microfilmed. Date: 19 .

INDEXING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

911007 Btm/Vernal "No documentation as of yet."

911025 Btm/Vernal "Have documentation - not approved as of yet." Will notify DiBm when approved.

911125 Btm/Vernal " " "

911231 Btm/Vernal " " "

920110 Baleron/Bobby Schuman Reg. Transfer of Authority to Inject "Parlette Bench Unit #4" and 134-35 Sundry for operator change "Castlepeak St. 43-16."



UTAH
NATURAL RESOURCE
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

Page 1 of 5

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ATTN NANCY LAWRENCE
MAXUS EXPLORATION COMPANY
717 N. HARWOOD, STE 2900
DALLAS TX 75201-

Utah Account No. _____

N0865

Report Period (Month/Year) _____

12 / 91

Amended Report ☐

Well Name				Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location				Oil (BBL)	Gas (MSCF)	Water (BBL)
MONMNT BUTTE 1-34								
✓4301330736	00030	09S 16E 1		GRRV				
MONMNT BUTTE 1-24								
✓4301330701	00050	09S 16E 1		GRRV				
ALLEN FEDERAL #1								
✓4301315779	01110	09S 17E 6		GRRV				
ALLEN FEDERAL A-1								
✓4301315780	01115	09S 17E 5		GRRV				
ALLEN FEDERAL 23-6								
✓4301330558	01120	09S 17E 6		GRRV				
ALLEN FEDERAL 32-6								
✓4301330559	01120	09S 17E 6		GRRV				
ALLEN FEDERAL 41-6								
✓4301330581	01120	09S 17E 6		GRRV				
ALLEN FEDERAL 43-6								
✓4301330583	01120	09S 17E 6		GRRV				
ALLEN FEDERAL 21-6								
✓4301330584	01120	09S 17E 6		GRRV				
ALLEN FEDERAL 34-6								
✓4301330586	01120	09S 17E 6		GRRV				
ALLEN FEDERAL 13-6								
✓4301330918	01120	09S 17E 6		GRRV				
ALLEN FEDERAL 22-6								
✓4301330919	01120	09S 17E 6		GRRV				
ALLEN FEDERAL 12-5								
✓4301330611	01125	09S 17E 5		GRRV				
TOTAL								

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____

PLEASE COMPLETE FORMS IN BLACK INK



EQUITABLE RESOURCES ENERGY COMPANY,
BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104
(406) 259-7860
FAX: (406) 245-1364

March 4, 1993

State of Utah
Uintah County
152 East 100 North
Vernal, UT 84078

Gentlemen:

Effective March 1, 1993, the name of our company has changed from Balcron Oil Company to Equitable Resources Energy Company, Balcron Oil Division.

Please make the necessary changes in your records and let me know if there is anything else we need to do in order to effect the change for the 1993 Uintah County Business License.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

RECEIVED

MAR 08 1993

DIVISION OF
OIL GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-DLEP
2-DTS	8-LEC
3-VLC	
4-RJF	
5-RWM	
6-ADA	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-93)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY CO FROM</u> (former operator)	<u>BALCRON OIL</u>
(address)	<u>BALCRON OIL DIVISION</u>	(address) <u>PO BOX 21017</u>
	<u>PO BOX 21017</u>	<u>BILLINGS MT 59104</u>
	<u>BILLINGS MT 59104</u>	
	phone (<u>406</u>) <u>259-7860</u>	phone (<u>406</u>) <u>259-7860</u>
	account no. <u>N 9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: **ALL WELLS**	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (*filed 3-8-93*)
- Sec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: 134640.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (*3-19-93*)
- Sec 6. Cardex file has been updated for each well listed above. (*3-19-93*)
- Sec 7. Well file labels have been updated for each well listed above. (*3-19-93*)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (*3-19-93*)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) *930319 Re'd bond rider eff. 3-4-93.

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #5578314/80,000 Belcon Oil, A Division of Equitable Resources Energy Company.
2. A copy of this form has been placed in the new and former operators' bond files. *upon completion of routing.
3. The former operator has requested a release of liability from their bond (yes/no) ____ Today's date ____ 19____. If yes, division response was made by letter dated ____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated ____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases. see comments below

FILMING

1. All attachments to this form have been microfilmed. Date: March 30 1993.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

930302 Bm/SL No change necessary, they always recognized company name as "Equitable Resources Energy Company, Belcon Oil Division".

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DAWN SCHINDLER
BALCRON OIL
PO BOX 21017
BILLINGS MT 59104

Utah Account No. N9890

Report Period (Month/Year) 1 / 93

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
MONMNT BUTTE 1-34							
4301330736	00030 09S 16E 1		GRRV				
MONMNT BUTTE 1-24							
4301330701	00050 09S 16E 1		GRRV				
ALLEN FEDERAL #1							
4301315779	01110 09S 17E 6		GRRV				
ALLEN FEDERAL 23-6							
4301330558	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 32-6							
4301330559	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 41-6							
4301330581	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 43-6							
4301330583	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 21-6							
4301330584	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 34-6							
4301330586	01120 09S 17E 6		GRRV				
ALLEN FEDERAL 13-6							
4301330918	01120 09S 17E 6		GRRV	W/W			
ALLEN FEDERAL 22-6							
4301330919	01120 09S 17E 6		GRRV	W/W			
ALLEN FEDERAL 12-5							
4301330611	01125 09S 17E 5		GRRV				
ALLEN FEDERAL 12-6							
4301330582	01135 09S 17E 6		GRRV				
TOTAL							

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date _____

Authorized signature _____

Telephone _____

PLEASE COMPLETE FORMS IN BLACK INK

RECEIVED

SEP 20 1993

OPERATOR

Balcron Oil

ADDRESS

P.O. Box 21017

Billings MT 59104

OPERATOR ACCT. NO. H 9890

DIVISION OF

OIL, GAS & MINING

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NO.	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	10788	11492	4301331195	AF 31-6	Lot 2	6	9S	17E	Duchesne		7/1/93
WELL 1 COMMENTS: Jonah Unit											
D	01120	11492	4301330559	AF 32-6	SW NE	6	9S	17E	Duchesne		7/1/93
WELL 2 COMMENTS:											
D	01120	11492	4301330586	AF 34-6	SW SE	6	9S	17E	Duchesne		7/1/93
WELL 3 COMMENTS:											
D	01120	11492	4301330581	AF 41-6	NE NE	6	9S	17E	Duchesne		7/1/93
WELL 4 COMMENTS:											
D	01120	11492	4301330583	AF 43-6	NE SE	6	9S	17E	Duchesne		7/1/93
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Dawn Schindler

Signature

Prod. Acct

Title

9-15-93

Date

Phone No. (406) 259-7860



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

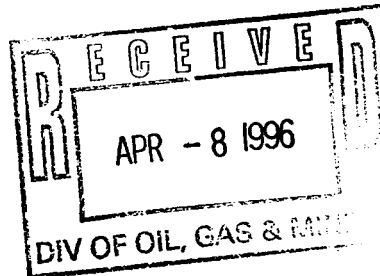
Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:
See attached listing

6. If Indian, Allottee or Tribe Name:
n/a

7. Unit Agreement Name:
See attached listing

8. Well Name and Number:
See attached listing

9. API Well Number:
See attached listing

10. Field and Pool, or Wildcat:
See attached listing

County: See attached list

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

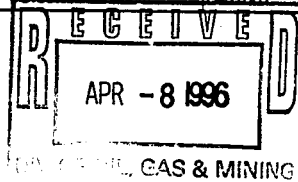
13. Name & Signature: Bobbie Schuman
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

UTAH - ALL

EQUITABLE REOURCES ENERGY COMPANY, WESTERN REGION-OPERATED WELL LIST														
WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	ST.	STATUS	ZONE	FED. OR STATE	LEASE NO.	API NUMBER	FOOTAGES	BLM UNIT OR WELL
A. Anderson State #1-16	Monument Butte	SW SW	16	9S	17E	Duchesne	UT	Oil (SI)	Green River	ML-3453		43-013-15582	660' FSL, 560' FWL	Beluga
Allen Federal #1-6	Monument Butte	SE SE	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A		43-013-15779	660' FSL, 660' FEL	Vernal Jonah
Allen Federal #12-5	Monument Butte	SW NW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252		43-013-30611	1980' FNL, 660' FWL	Vernal Jonah
Allen Federal #12-6	Monument Butte	SW NW	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A		43-013-30582	1980' FNL, 604' FWL	Vernal Jonah
Allen Federal #13-6	Monument Butte	NW SW	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A		43-013-30918	2070' FSL, 578' FWL	Vernal Jonah
Allen Federal #21-5	Monument Butte	NE NW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252		43-013-30612	660' FNL, 1980' FWL	Vernal Jonah
Allen Federal #21-6	Monument Butte	NE NW	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A		43-013-30584	660' FNL, 1980' FWL	Vernal Jonah
Allen Federal #22-6	Monument Butte	SE NW	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A		43-013-30919	2141' FNL, 1902' FWL	Vernal Jonah
Allen Federal #23-6	Monument Butte	NE SW	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A		43-013-30558	1980' FSL, 1980' FWL	Vernal Jonah
Allen Federal #31-6	Monument Butte	NW NE	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A		43-013-31195	660' FNL, 1980' FEL	Vernal Jonah
Allen Federal #32-6	Monument Butte	SW NE	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A		43-013-30559	1980' FNL, 1980' FEL	Vernal Jonah
Allen Federal #34-6	Monument Butte	SW SE	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A		43-013-30586	662' FSL, 2075' FEL	Vernal Jonah
Allen Federal #41-6	Monument Butte	NE NE	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A		43-013-30581	661' FNL, 655' FEL	Vernal Jonah
Allen Federal #43-6	Monument Butte	NE SE	6	9S	17E	Duchesne	UT	Oil	Green River	U-020252-A		43-013-30583	1980' FSL, 660' FEL	Vernal Jonah
Allen Federal A #1	Monument Butte	NW NW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252		43-013-15780	660' FNL, 660' FWL	Vernal Jonah
Amerada Guinand #1	Coyote Basin	SW NW	7	8S	25E	Uintah	UT	WW	Green River	U-016271-V		43-047-20245	1920' FNL, 550' FWL	Vernal Coyote Basin
Asp Federal #1	Wildcat	C/SW	12	16S	19W	Millard	UT	PND	Paleozoic	UTU-69960			1320' FSL, 1320' FWL	Richfield
Balcron Allen Fed. #31-6G	Monument Butte	NW NE	6	9S	17E	Duchesne	UT	Gas	Green River	U-020252-A		43-013-31442	708' FNL, 2076' FEL	Vernal
Balcron Coyote Fed. #12-5	Coyote Basin	SW NW	5	8S	25E	Uintah	UT	OSI	Green River	U-063597-A		43-047-32253	1980' FNL, 660' FWL	Vernal Coyote Basin
Balcron Coyote Fed. #13-5	Coyote Basin	NW SW	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A		43-047-32261	1605' FSL, 586' FWL	Vernal Coyote Basin
Balcron Coyote Fed. #13-7	Coyote Basin	NW SW	7	8S	25E	Uintah	UT	Oil	Green River	U-41377		43-047-32255	1980' FSL, 660' FWL	Vernal Coyote Basin
Balcron Coyote Fed. #21-5	Coyote Basin	NE NW	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A		43-047-32260	660' FNL, 1980' FWL	Vernal Coyote Basin
Balcron Coyote Fed. #22-7	Coyote Basin	SE NW	7	8S	25E	Uintah	UT	Oil	Green River	U-41377		43-047-32256	1749' FNL, 1601' FWL	Vernal Coyote Basin
Balcron Coyote Fed. #23-5	Coyote Basin	NE SW	5	8S	25E	Uintah	UT	PND	Green River	U-065597A		43-047-32424	2110' FSL, 1980' FWL	Vernal Coyote Basin
Balcron Coyote Fed. #31-7	Coyote Basin	NW NE	7	8S	25E	Uintah	UT	Oil	Green River	U-020309-D		43-047-32254	561' FNL, 1977' FEL	Vernal Coyote Basin
Balcron Coyote Fed. #33-5	Coyote Basin	NW SE	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A		43-047-32257	1892' FSL, 2326' FEL	Vernal Coyote Basin
Balcron Coyote Fed. #33-7	Coyote Basin	NW SE	7	8S	25E	Uintah	UT	PND	Green River	U-51001		43-047-32259	751' FSL, 1922' FEL	Vernal



Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ
2	D7858-FILE
3	VLD GIL
4	RJE
5	LEP
6	FILM

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator) <u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator) <u>EQUITABLE RESOURCES ENERGY CO</u>
(address) <u>1601 LEWIS AVE</u> (address) <u>BALCRON OIL DIVISION</u>
<u>BILLINGS MT 59102-4126</u> <u>1601 LEWIS AVE</u>
phone (406) <u>259-7860</u> phone (406) <u>259-7860</u>
account no. <u>N9890</u> account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>D13-30559</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (4-10-96)
- Yec 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yec 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

5578314 (\$80,000) Seleo Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bonner - Trust Lands

FILMING

- VSR 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/604/10 BLM/BIA "Formal approval not necessary"

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 3 of 11

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION
 EQUITABLE RESOURCES ENERGY
 1601 LEWIS AVE
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 3 / 96AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ MONUMENT FED 22-12J								
4301315796	11492	09S 16E 12	GRRV					
✓ MONUMENT FED 42-11J								
4301330066	11492	09S 16E 11	GRRV					
✓ ALLEN FEDERAL 23-6								
4301330558	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 32-6								
4301330559	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 41-6								
4301330581	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 12-6								
4301330582	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 43-6								
4301330583	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 21-6								
4301330584	11492	09S 17E 6	GRRV					
✓ ALLEN FEDERAL 34-6								
4301330586	11492	09S 17E 6	GRRV					
✓ FEDERAL 2-1								
4301330603	11492	09S 16E 1	GRRV					
✓ ALLEN FEDERAL 12-5								
4301330611	11492	09S 17E 5	GRRV					
✓ ALLEN FEDERAL 21-5								
4301330612	11492	09S 17E 5	GRRV					
✓ CASTLE PK FED 31-15								
4301330613	11492	09S 16E 15	GRRV					
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

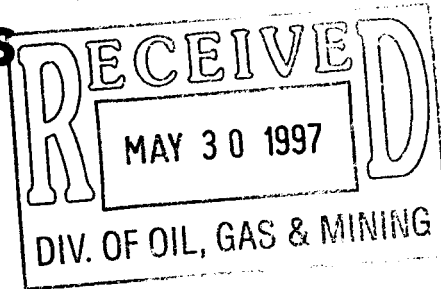
Telephone Number: _____



EQUITABLE RESOURCES
ENERGY COMPANY

WESTERN REGION

1601 Lewis Avenue
Billings, MT 59102



Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☐

May 27, 1997

Utah Board Of Oil, Gas, & Mining
1594 West North Temple
Suite-1220
Salt Lake City, Utah 84114

In accordance with your request please find enclosed the 1997 produced water analysis for the Uinta Basin waterflood and water disposal operations which are operated by Equitable Resources Energy Company. These water analysis are for wells that are re-injecting or disposing produced water back into the Green River Formation via the following facilities:

Jonah Secondary Recovery Unit
Beluga Secondary Recovery Unit
Coyote Basin Secondary Recovery Unit
Castle Draw (State Section-2) Pilot Waterflood
Pariette Bench Water Disposal Well #4

Equitable Resources Energy Company inadvertently failed to submit a copy of these water analysis when they were sent to the EPA and BLM. If there are any questions please contact me at our Billings, Montana office at 406-259-7860.

Respectfully,

John Zellitti
District Production Engineer

Water Analysis Report

Customer : EREC - Western Oil Company

Address : 1601 Lewis Avenue

City : Billings

State : MT **Postal Code :** 59104-

Attention : John Zellitti

cc1 : Dan Farnsworth

cc2 : Joe Ivey

cc3 :

Field : Monument Butte Field

Lease : Allen Federal Lease

Location : Well No. 32-06

Sample Point : wellhead

Date Sampled : 23-Jan-97

Date Received : 23-Jan-97

Date Reported : 08-Feb-97

Salesman : Lee Gardiner

Analyst : Karen Hawkins Allen

CATIONS			ANIONS		
Calcium :	200	mg/l	Chloride:	7,200	mg/l
Magnesium :	34	mg/l	Carbonate:	60	mg/l
Barium :	0	mg/l	Bicarbonate:	805	mg/l
Strontium :	0	mg/l	Sulfate:	108	mg/l
Iron :	1.0	mg/l			
Sodium :	4731	mg/l			
pH (field) :	7.90		Specific Gravity :	1.01	grains/ml
Temperature :	85	degrees F	Total Dissolved Solids :	13,139	ppm
Ionic Strength :	0.22		CO2 in Water :	1	mg/l
			CO2 in Gas :	0.03	mole %
Resistivity :		ohm/meters	H2S in Water :	0.0	mg/l
Ammonia :		ppm	O2 in Water :	0.000	ppm
Comments :					

SI calculations based on Tomson-Oddo

Calcite (CaCO3) SI :	1.71	Calcite PTB :	166.5
Gypsum (CaSO4) SI :	-2.19	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ BALCRON FEDERAL #24-3Y	SESW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31397-00	UTU75037	
✓ BALCRON FEDERAL #44-4Y	SESE 4 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31452-00	UTU65967	
✓ BALCRON FEDERAL #14-3Y	SW SW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31535-00	UTU75037	
✓ MONUMENT FEDERAL #11-11Y	NW NW 119S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31593-00	UTU65210	
✓ MONUMENT FEDERAL #31-5-9-17	NW NE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31680-00	UTU74808	
ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #12-5	SWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30611-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #12-6	SWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30582-00	UTU020252A	UTU72086A
ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #21-5	NENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30612-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #21-6	LOT3 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30584-00	UTU020252A	UTU72086A
ALLEN FEDERAL #22-6	SENW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #23-6	NESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30558-00	UTU020252A	UTU72086A
ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #32-6	SWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30559-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #34-6	SWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30586-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #41-6	NENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30581-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #43-6	NESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30583-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL A #1	NWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15780-00	UTU020252	UTU72086A
✓ C&O GOV'T #1	NWSW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15111-00	UTU035521A	UTU72086A
✓ C&O GOV'T #2	NWSE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15112-00	UTU035521	UTU72086A
C&O GOV'T #4	NESW 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ CASTLE PEAK FEDERAL #22-15	SENW 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30634-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #24-15	SESW 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30631-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #31-15	NWNE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30613-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #33-15	NWSE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30632-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #44-10	SESE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30630-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #42-15	SENE 159S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30633-00	UTU017985	UTU72086A
✓ FEDERAL #2-1	NENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30603-00	UTU33992	UTU72086A
✓ GETTY #12-1	NWNE 129S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30889-00	UTU44426	UTU72086A
✓ GETTY #7-A	NENE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30926-00	UTU44426	UTU72086A
✓ GETTY #7-C	NENW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30961-00	UTU44426	UTU72086A
✓ GOATES FEDERAL #1	SESW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15789-00	UTU096547	UTU72086A
✓ GOATES FEDERAL #3	NWNW 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15791-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #1-14	SWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30703-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-23	NESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30646-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-34	SWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30736-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-43	NESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30734-00	UTU52013	UTU72086A

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 16 1997

13.

Name & Signature: Chris A. Potter

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date: 9/30/97

(This space for State use only)



EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION**(406) 259-7860 Telephone****(406) 245-1361 Fax**

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: Lisha
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.
Call if you need anything
further.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED
JAN 14 1998
BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO
UT-931

January 13, 1998

Inland Production Company
475 17th Street, Suite 1500
Denver, Colorado 80202

Re: Jonah (Green River) Unit
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Jonah (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron
U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133140600X1	21-12J	NENW	12	9S	16E	ABD	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133142200X1	21-15J	NENW	15	9S	16E	ABD	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SENW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SENW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SENW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SENW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

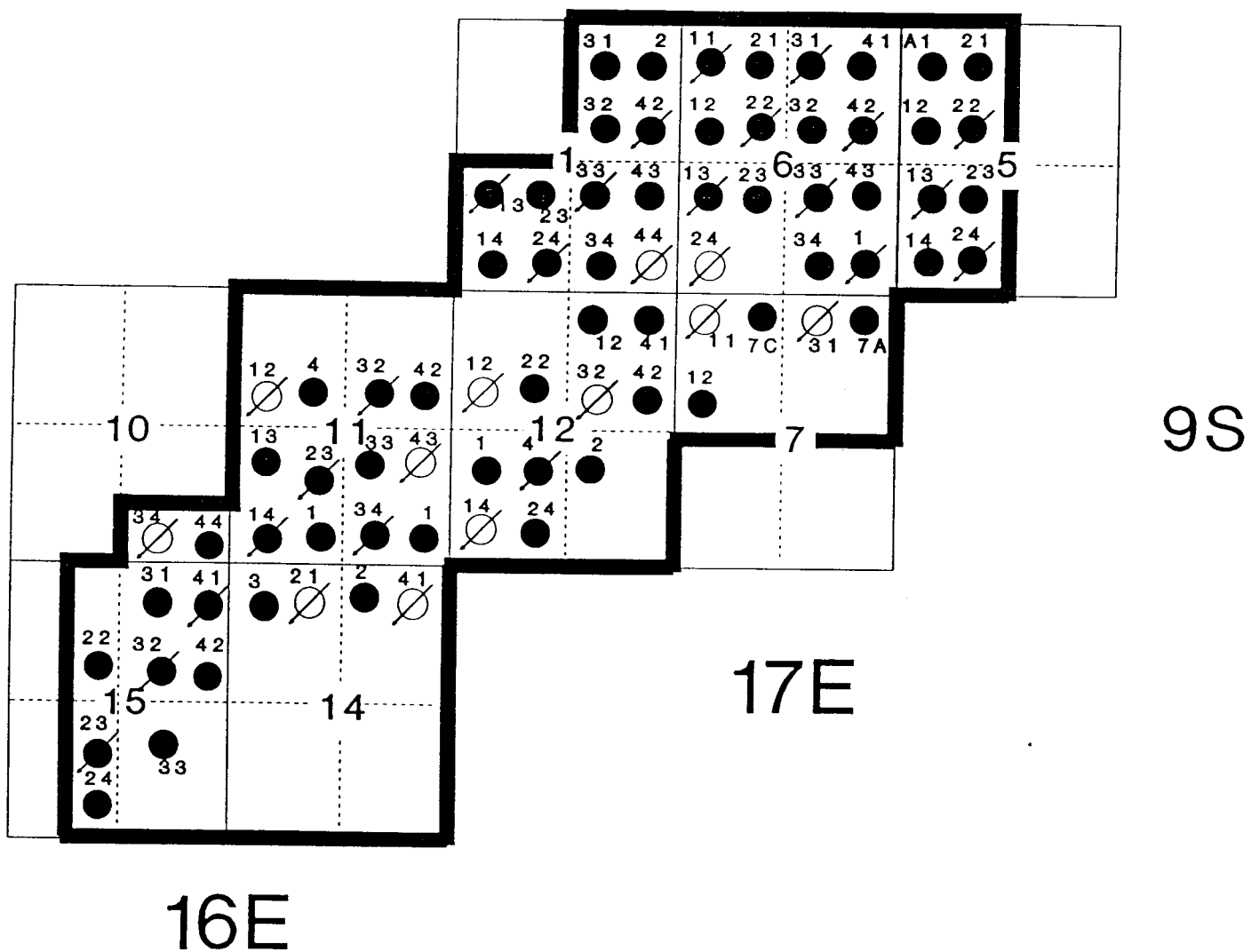
WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

JONAH (GREEN RIVER) UNIT

DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY
ALLOCATION
FEDERAL 100.00%

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-IEP	6-VA
2-CH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&G SVS</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

*JONAH (GREEN RIVER) UNIT

Name: **SEE ATTACHED**	API: <u>43-013-20559</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 12-10-97)
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-13-97)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state**? (yes/no) ____ If yes, show company file number: _____
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (1-14-98) * UIC/Que No Pro 1-14-98 & UIC/DBase 1-14-98
- lec 6. **Cardex** file has been updated for each well listed above.
- lec 7. **Well file labels** have been updated for each well listed above.
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (1-14-98)
- lec 9. A folder has been set up for the **Operator Change** file, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

ENTITY REVIEW

- Y 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
Entity 11492 "Jonah (LP) Unit"
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Y 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A Y 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

- Y 1. All attachments to this form have been microfilmed. Today's date: 2.3.98.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

980114 BLM/SL Aprv. eff. 1-13-98.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 3 of 14

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S
 EQUITABLE RESOURCES ENERGY
 PO BOX 577
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 9 / 97AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ ALLEN FEDERAL 23-6								
4301330558	11492	09S 17E 6	GRRV			4020252A	Jonah (62) Unit	
✓ ALLEN FEDERAL 32-6								
4301330559	11492	09S 17E 6	GRRV			"		
✓ ALLEN FEDERAL 41-6								
4301330581	11492	09S 17E 6	GRRV			"		
✓ ALLEN FEDERAL 12-6								
4301330582	11492	09S 17E 6	GRRV			"		
✓ ALLEN FEDERAL 43-6								
4301330583	11492	09S 17E 6	GRRV			"		
✓ ALLEN FEDERAL 21-6								
4301330584	11492	09S 17E 6	GRRV			"		
✓ ALLEN FEDERAL 34-6								
4301330586	11492	09S 17E 6	GRRV			"		
✓ FEDERAL 2-1								
4301330603	11492	09S 16E 1	GRRV			433992		
✓ ALLEN FEDERAL 12-5								
4301330611	11492	09S 17E 5	GRRV			402052		
✓ ALLEN FEDERAL 21-5								
4301330612	11492	09S 17E 5	GRRV			"		
✓ CASTLE PK FED 31-15								
4301330613	11492	09S 16E 15	GRRV			4017985		
✓ CASTLE PK FED 44-10								
4301330630	11492	09S 16E 10	GRRV			4017895		
✓ CASTLE PK FED 24-15								
4301330631	11492	09S 16E 15	GRRV			"	✓	
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2102 FNL 1949 FEL SW/NE Section 6, T09S R17E

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

JONAH

8. Well Name and No.

ALLEN FEDERAL 32-6

9. API Well No.

43-013-30559

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

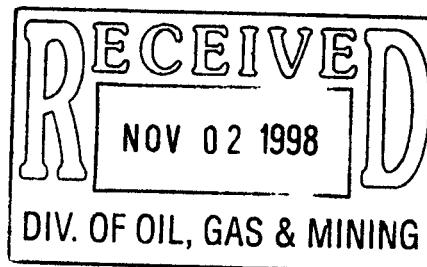
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Site Security

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

10/28/98

(This space for Federal or State office use)

Approved by

Title

Date

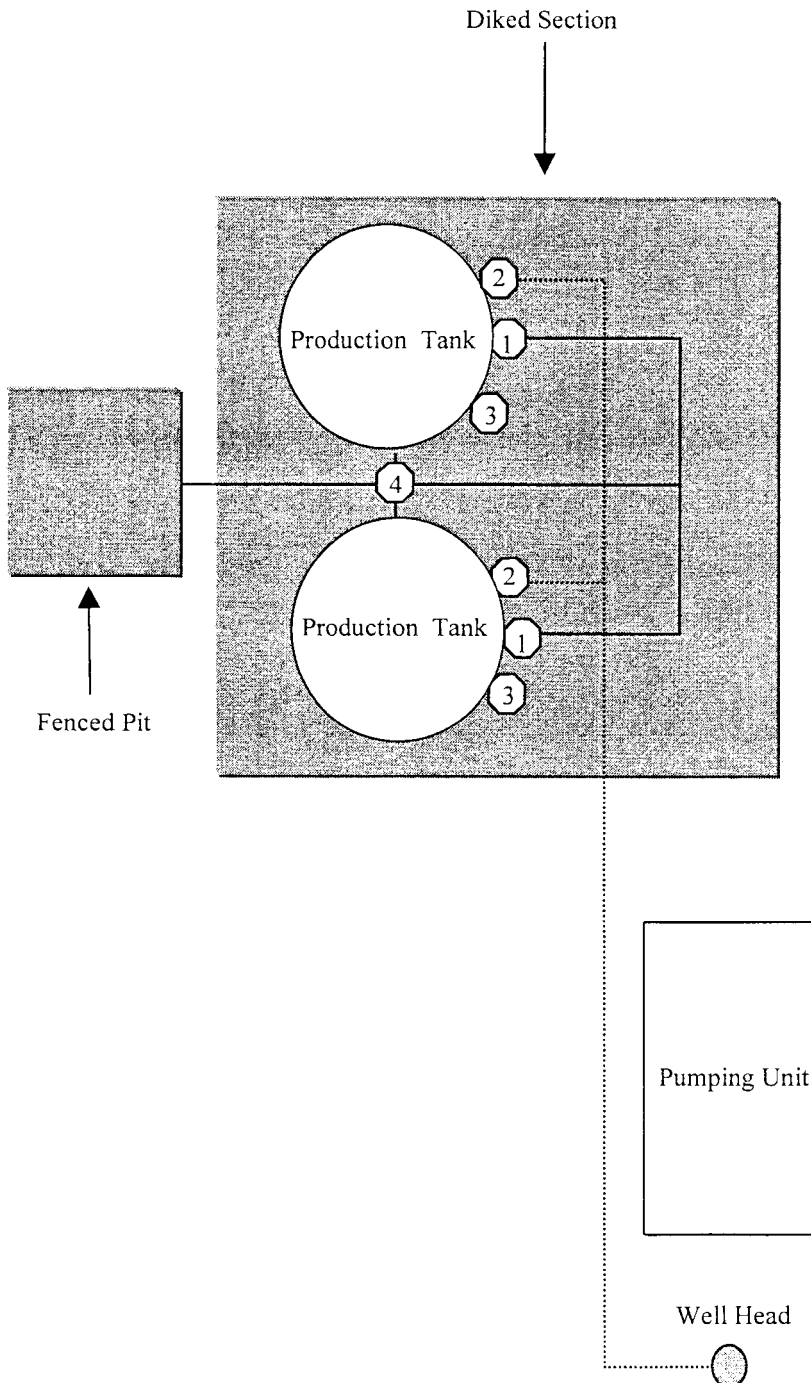
Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Inland Production Company Site Facility Diagram

Allen Federal 32-6
SW/NE Sec. 6, T9S, 17E
Duchesne County
Sept. 17, 1998



Site Security Plan is held at the Roosevelt
Office, Roosevelt Utah

Production Phase:

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

Draining Phase:

- 1) Valve 3 open

Legend

Emulsion Line
Load Line	————
Water Line	- - - - -
Gas Sales	- . - . - .



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office
From: Acting Chief, Branch of Fluid Minerals
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****JONAH (GREEN RIVER)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 2-1	01	090S	160E	4301330603	11492	Federal	OW	P
GOATES FED 1	11	090S	160E	4301315789	11492	Federal	OW	P
MONUMENT FED 13-11J	11	090S	160E	4301315790	11492	Federal	OW	S
WALTON FED 1	11	090S	160E	4301315792	11492	Federal	OW	P
WALTON FED 4	11	090S	160E	4301315795	11492	Federal	OW	P
MONUMENT FED 42-11J	11	090S	160E	4301330066	11492	Federal	OW	P
C&O GOVT 1	12	090S	160E	4301315111	11492	Federal	OW	P
C&O GOVT 2	12	090S	160E	4301315112	11492	Federal	OW	P
MONUMENT FED 22-12J	12	090S	160E	4301315796	11492	Federal	OW	P
GOATES FED 3	14	090S	160E	4301315791	11492	Federal	OW	P
WALTON FED 2	14	090S	160E	4301315793	11492	Federal	OW	P
ALLEN FED A-1	05	090S	170E	4301315780	11492	Federal	WI	A
ALLEN FED 1-6	06	090S	170E	4301315779	11492	Federal	WI	A
ALLEN FED 23-6	06	090S	170E	4301330558	11492	Federal	OW	P
ALLEN FED 32-6	06	090S	170E	4301330559	11492	Federal	OW	P
ALLEN FED 41-6	06	090S	170E	4301330581	11492	Federal	OW	P
ALLEN FED 12-6	06	090S	170E	4301330582	11492	Federal	OW	P
ALLEN FED 43-6	06	090S	170E	4301330583	11492	Federal	OW	P
ALLEN FED 21-6	06	090S	170E	4301330584	11492	Federal	OW	P
ALLEN FED 34-6	06	090S	170E	4301330586	11492	Federal	OW	P

K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

**1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>**

DEC 24 2008

Ref: 8P-W-GW

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, CO 80202

RE: Additional Well: Jonah Unit Permit
UIC Permit No. UT20642-00000
Well ID: UT20642-08173
Allen Federal 32-6-9-17
2102' FNL & 1949' FEL
NW NE Section 6-T9S-R17E
Duchesne County, Utah
API # 43-013-30559
Corrective Action Required on 2 AOR Wells

Dear Mr. Sundberg:

The Newfield Production Company request to convert the former Green River Formation oil well Allen Federal 32-6-9-17 to an enhanced recovery injection well in the Jonah Unit Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions described in the Authorization For Additional Well.

The addition of the proposed injection well within the exterior boundary of the Uintah & Ouray Indian Reservation is being made under the authority of 40 CFR §144.33 (c), terms of the Jonah Unit Area Permit No. UT20642-00000, and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA and written authorization to begin injection is given by the Director. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depth of 3742 feet and the top of the Wasatch Formation estimated to be at 6105 feet.

RECEIVED

JAN 06 2009

DIV. OF OIL, GAS & MINING

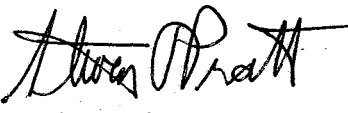
Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) a complete EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram, (2) a pore pressure calculation of the injection interval, and (3) the results of a Part I (Internal) Mechanical Integrity Test (MIT).

The initial Maximum Allowable Injection Pressure (MAIP) for the Allen Federal 32-6-9-17 is 1700 psig. UIC Area Permit UT20642-00000 allows the permittee to request a change in the MAIP based upon results of a step rate test which demonstrates that the formation breakdown pressure will not be exceeded.

The injection interval for Allen Federal 32-6-9-17 has been modified from the Jonah Unit Area Permit (UIC 20642-00000) due to the absence of cement through the established areal Confining Zone. Additional shale intervals with cement behind casing have been identified and injection in the Allen Federal 32-6-9-17 well is limited to below these shale intervals.

If you have any questions, please call Jason Deardorff at (303) 312-6583 or 1-(800)-227-8917 (Ext. 312-6583). Please submit the required data to Margo Smith at the letterhead address citing mail code 8P-W-GW.

Sincerely,


for

Eddie A. Sierra
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Encl: Authorization For Conversion of An Additional Well
EPA Form No. 7520-12 (Well Rework Record)
Proposed Wellbore and P&A Wellbore
Schematics for Allen Federal 32-6-9-17

cc: Letter Only

Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman
Ronald Groves, Councilman
Irene Cuch, Vice-Chairwoman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Michelle Sabori
Acting Director
Land Use Department
Ute Indian Tribe

Larry Love
Director of Energy & Minerals Dept.
Ute Indian Tribe

Elaine Willie
GAP Coordinator
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit No: UT20642-00000

The Jonah Unit Final UIC Area Permit No. UT20642-00000, effective December 22, 1992, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On July 21, 2008, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

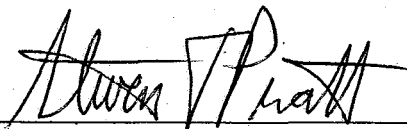
Well Name:	<u>Allen Federal 32-6-9-17</u>
EPA Well ID Number:	<u>UT 20642-08173</u>
Location:	2102' FNL & 1949' FEL SW NE Sec. 6 T9S-R17E Duchesne County, Utah API #43-013-30559

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20642-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20633-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: **DEC 24 2008**



for **Eddie A. Sierra**

* Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

** The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20642-00000
Well: Allen Federal 32-6-9-17 EPA Well ID: UT20642-08173

Printed on Recycled Paper

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: **Allen Federal 32-6-9-17**
EPA Well ID Number: **UT20642-08173**

Prior to Commencing Injection Operations, the permittee shall submit the following information:

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test (MIT)

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a **Radioactive Tracer Survey (RTS) is required** to demonstrate no significant upward migration of injection fluids behind the casing from the injection zone. It is intended that a maximum of 180 days of injection will allow the injection zone to adequately pressurize prior to executing the RTS.

Approved Injection Zone: Due to the absence of cement through the previously established areal confining zone [3546 feet to 3748 feet (KB)], injection in this well is limited to an interval from the base of a shale zone (Shale "B") at 4056 feet (KB) to the top of the Wasatch Formation, which is estimated to be at a depth of 6105 feet (KB). **The approved injection interval for this well is from 4056 feet to 6105 feet (KB).**

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is **1700 psig**, based on the following calculation:

$$\begin{aligned}\text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.84 \text{ psi/foot} \quad \text{SG} = 1.015 \quad \text{D} = \textbf{4246 feet} \text{ (top perforation depth KB)} \\ \text{MAIP} &= \textbf{1700 psig}\end{aligned}$$

UIC Area Permit No. UT20642-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a Step Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

Well Construction: Casing and Cementing: The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR §146.22(c). However, cementing records, including the cement bond log (CBL), have demonstrated the absence of cement through the established areal confining zone to prevent the migration of injection fluids behind the casing from the established injection zone. Instead of requiring the emplacement of cement behind casing through this shale interval, Newfield has agreed to limit the injection interval for the Allen Federal 32-6-9-17 well.

Well Construction: Tubing and Packer: 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 50 feet above the top perforation.

Demonstration of Mechanical Integrity:

(1) A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.

(2) Because cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone [4056 feet to 6105 feet (KB)], a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation with a minimum of 20 ft cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 2906 ft to 3050 ft (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 144-foot balanced cement plug inside the 5-1/2" casing from approximately 2906 to 3050 ft (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1411 ft (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 100-foot plug inside the 5-1/2" casing from approximately 1361-1461 ft (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 585 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

Cut off surface and 5-1/2" casing at least 4 ft below ground level and set P&A marker; submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Allen Federal 32-6-9-17
EPA Well ID Number: UT20642-08173

Underground Sources of Drinking Water (USDWs): USDWs in the Jonah Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 535 ft below ground surface in the Allen Federal 32-6-9-17 well.

http:NRWRT1.NR.STATE.UT.US:

There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]):

- TDS of the Douglas Creek Member of the Green River Formation Water: 17,931 mg/l.

- TDS of Jonah Facility Injection System source water: 4,278 mg/l.

The **injectate** is water from the Jonah Facility Injection System blended with produced Green River Formation Water resulting in TDS < 10,000 mg/l.

Aquifer Exemption is not required because the TDS of water produced from the proposed injection well is greater than 10,000 mg/l.

Confining Zone(s): The established areal Confining Zone directly overlies the Garden Gulch Member of the Green River Formation and is found between 3546 ft and 3742 ft (KB) in the Allen Federal 32-6-9-17 well. However, the cement record shows no cement behind casing through this interval. To avoid the risks associated with cement-squeezing, two additional AOR-wide confining zones that have cement behind casing in the Allen Federal 32-6-9-17 well have been identified as follows:

Shale "A": 3858 feet to 3942 feet (KB) – cement inadequate according to CBL analysis

Shale "B": 3972 feet to 4056 feet (KB) – cement adequate according to CBL analysis

Injection Zone: The Injection Zone at this well location, which has been modified from the

Authorization for Additional Well: UIC Area Permit UT20642-00000

Well: Allen Federal 32-6-9-17 EPA Well ID: UT20642-08173

Jonah Unit Area Permit, is approximately 2,049 ft of multiple lenticular sand units interbedded with shale, marlstone and limestone from the base of Shale "B" at 4056 feet (KB) to the top of the Wasatch Formation which is estimated to be at 6105 ft (KB). The Wasatch Formation top is based on correlation to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

Well Construction: The CBL shows no cement through the established areal Confining Zone [3546 ft to 3748 ft (KB)]. However, cement is present immediately beneath this interval and continues through the Shale "A" and Shale "B" intervals with Shale "B" showing more than 18 feet of continuous 80 percent or greater cement bond index. Due to the absence of cement through the established areal Confining Zone, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8" casing is set at 260 ft (KB) in a 12-1/4" hole, using 190 sacks Class G cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 5401 ft (KB) in a 7-7/8" hole secured with 695 sacks of cement. Total driller depth 5401 ft. Plugged back total depth is 5365 ft. EPA calculates top of cement at 896 ft. Estimated CBL top of cement is 2550 ft.

Perforations: Top perforation: **4246 ft** (KB) Bottom perforation: **5232 ft** (KB)

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following eight wells that penetrate the confining zone within or proximate to a 1/4 mile radius around the Allen Federal 32-6-9-17 were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Jonah Federal H-6-9-17	API: 43-013-33494	SWNE Sec. 6-T9S-R17E
Well: Jonah Federal I-6-9-17	API: 43-013-33495	NENE Sec. 6-T9S-R17E
Well: Jonah Federal J-6-9-17	API: 43-013-33496	SENE Sec. 6-T9S-R17E
Well: Jonah Federal L-6-9-17	API: 43-013-33498	NWSW Sec. 6-T9S-R17E
Well: Jonah Federal M-6-9-17	API: 43-013-33499	NESW Sec. 6-T9S-R17E
Well: Allen Federal 22-6-6-17	API: 43-013-30919	SENE Sec. 9-T9S-R17E
Well: Monument Federal 33-6-9-17	API: 43-013-31361	NWSE Sec. 6-T9S-R17E
Well: Monument Federal 42-6-9-17	API: 43-013-31364	SENE Sec. 6-T9S-R17E

Corrective Action Required on One AOR Well:

Well: Monument Federal 42-6-9-17 API: 43-013-31364

SENE Sec. 6 -T9S-R17E

Submitted CBL does not include the confining zone, thus preventing a determination of wellbore mechanical integrity. Newfield has the option of following the corrective action plan detailed below for this well or running and submitting a complete CBL to demonstrate that well construction is adequate. If the CBL does not show an adequate section of 80 percent cement bond index through the confining zone, corrective action will be required. TOC 990 ft

AOR Well Corrective Action Plan: The Monument Federal 42-6-9-17 well shall be monitored weekly at the surface for evidence of fluid movement out of the injection zone. In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the Confining Zone" and the permittee is referred to this document.

If possible fluid movement out of the Injection Zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure described above, or through any other means, (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, the Permittee will shut in the Allen Federal 32-6-9-17 well immediately and notify the Director. No injection into the Allen Federal 32-6-9-17 well will be permitted until the Permittee has notified the Director that the situation has been resolved, submitted Reword Records (EPA Form No.7520-12) and a schematic diagram, and received authorization from the Director to re-commence injection.

Corrective Action Not Required on Seven AOR wells:

Well: Jonah Federal H-6-9-17

API: 43-013-33494

SWNE Sec. 6-T9S-R17E

Shows 222 ft of 80 percent cement bond or greater from 3672-3894 ft.

Well: Jonah Federal J-6-9-17

API: 43-013-33496

SENE Sec. 6 -T9S-R17E

Shows 86 ft of 80 percent cement bond or greater from 3630-3830 ft.

Well: Jonah Federal L-6-9-17

API: 43-013-33498

NWSW Sec. 6-T9S-R17E

Shows 98 ft of 80 percent cement bond or greater from 3624-3722 ft.

Well: Jonah Federal M-6-9-17

API: 43-013-33499

NESW Sec. 6-T9S-R17E

Shows 26 ft of 80 percent cement bond index or greater from 3745-3771 ft.

Well: Jonah Federal I-6-9-17

API: 43-013-33495

NENE Sec. 6-T9S-R17E

Shows marginal cement through the established areal Confining zone, but 80 percent cement bond or greater through Shales "A" and "B"

Well: Allen Federal 22-6-6-17

API: 43-013-30919

SENE Sec. 9-T9S-R17E

This is a previously permitted injection well (UT20642-03729). Submitted CBL shows marginal cement bond index throughout the confining zone. Any corrective action required for this well will be handled through the existing permit for Allen Federal 22-6-9-17.

Authorization for Additional Well: UIC Area Permit UT20642-00000

Well: Allen Federal 32-6-9-17 EPA Well ID: UT20642-08173

Well: Monument Federal 33-6-9-17 API: 43-013-31361

NWSE Sec. 6-T9S-R17E

This is a previously permitted injection well (UT20642-03736). Submitted CBL does not include the confining zone. Any corrective action required for this well will be handled through the existing permit for Monument Federal 33-6-9-17.

Reporting of Noncompliance:

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting: The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**

Other Noncompliance: The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.



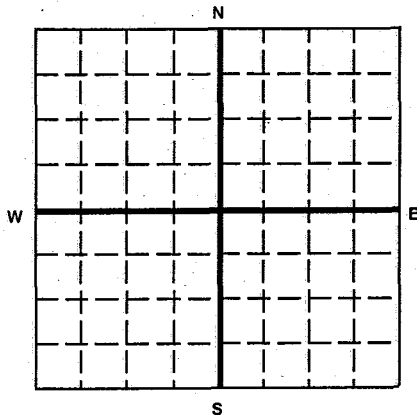
United States Environmental Protection Agency
Washington, DC 20460

WELL REWORK RECORD

Name and Address of Permittee

Name and Address of Contractor

Locate Well and Outline Unit on
Section Plat - 640 Acres



State

County

Permit Number

Surface Location Description

☐ 1/4 of ☐ 1/4 of ☐ 1/4 of ☐ 1/4 of Section ☐ Township ☐ Range ☐

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface

Location ☐ ft. from (N/S) ☐ Line of quarter section
and ☐ ft. from (E/W) ☐ Line of quarter section.

WELL ACTIVITY

- ☐ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage

Lease Name

Total Depth Before Rework

Total Depth After Rework

Date Rework Commenced

Date Rework Completed

TYPE OF PERMIT

- ☐ Individual
☐ Area

Number of Wells ☐

Well Number

WELL CASING RECORD -- BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL
USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Log Types

Logged Intervals

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)

Signature

Date Signed

PAPERWORK REDUCTION ACT

The public reporting and record keeping burden for this collection of information is estimated to average 4 hours per response annually. Burden means the total time, effort, or financial resource expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal Agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to the collection of information; search data sources; complete and review the collection of information; and, transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including the use of automated collection techniques to Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

Spud Date: 4/23/81

Put on Projection: 5/28/81

GL: 5323' KB: 5337'

Allen Federal 32-6-9-17

Wellbore Diagram

Initial Production: 100 STBOPD,
30 MCFD, 16 STBWP

SURFACE CASING

STRING: 1
CSG SIZE: 8 5/8"
GRADE: K-55
WEIGHT: 24 lbs.
LENGTH: 6 jts @ 260'
DEPTH LANDED: 260' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 190 ex Class-H
Cemented to surface.

PRODUCTION CASING

STRING: 1
CSG SIZE: 5 1/2"
GRADE: J-55
WEIGHT: 15.5# & 14#
LENGTH: 169 jts @ 5389'
DEPTH LANDED: 5401' KB
D.V. TOOL: 3342'
HOLE SIZE: 7 7/8"
CEMENT DATA: 695 ex 50-50 Poz.
CEMENT TOP AT: 2200' from well records

TUBING RECORD

SIZE/GRADE/WT.: 2 3/8", J-55, 4.7#
NO. OF JOINTS: 168 jts. @ 5282'
TUBING ANCHOR: None
NO. OF JOINTS: 1 jt.
SEATING NIPPLE: 2 3/8" x 1'
PERF. SUB: 2 3/8" x 4'
MUD ANCHOR: 2 3/8" x 31'
TOTAL STRING LENGTH: 5318'
SN LANDED AT: 5297' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 16' SM

SUCKER RODS: 1-2", 1-4" x 3/4" pony rods, 98- 3/4" guided rods, 96- 3/4" slick rods, 15- 3/4" guided rods, 2- 1 1/2" weight bars.

PUMP SIZE: 2" x 1-1/2" x 16' RHAC pump w/SM plunger

STROKE LENGTH: 64"

PUMP SPEED, SPM: 6 SPM

LOGS: DIGL/SP/GR/CAL

FRAC JOB

05/17/81 4912'- 5254'

Frac w/Western on 5/17/81.
43,000 gal Apollo 40 w/32,000 lbs 10/20 mesh sd & 55,000 lbs 20/40 mesh sd, avg 34 BPM @ 2400 psig, max @ 2600 psig, ISIP @ 2000 psig, 5 min @ 1832 psig, 10 min @ 1800 psig, 15 min @ 1750 psig.

10/15/90 4246'- 4289'

Frac w/Smith on 10/15/90.
24,086 gal 30 lbs GWX-9 w/46,000 lbs 20/40 mesh sd, & 83,000 lbs 16/30 mesh sd, Avg @ 55 BPM @ 2200 psig, max @ 2950 psig, ISIP @ 2010 psig, 15 min @ 1670 psig. Ramp 1/2 to 6 lbs.

12/20/03

03/23/07

Stuck Pump: Update tubing and rod detail.

Pump Change: Updated rod and tubing detail.

2956' - Terra
2982' - Mahogany
Bench (base @ 3000')

Note: Insufficient
cement through
established confining
zone

ACID JOB

4246'- 4289' 3990 gal 3% HCl; 75 ball sealers were pumped, 7.5 BPM @ 4300 psig. ISIP @ 1630 psig, 15 min @ 1520 psig. 4912'- 5254' 1500 gal 15% HCl Acid, 5 BPM @ 1500 psig to 8 BPM @ 1700 psig. Drop balls, saw ball action. Pumping @ 8 BPM @ 2000 psig, no ball off. ISIP @ 1600 psig, 5 min @ 1500 psig.

PERFORATION RECORD

4246'- 4252' (6') 4 SPF
4283'- 4289' (6') 4 SPF
4912'- 4934' (22') 2 SPF
5232'- 5254' (22') 2 SPF

SN @ 5297'

EOT @ 5318'

Top of Fill @ 5350'

PBTB @ 5365'

SHOE @ 5364'

TD @ 5401'

NEWFIELD

Allen Federal #32-6-9-17

2102' FNL & 1949' FEL

SW/NE Section 6-T9S-R17E

Duchesne Co, Utah

API #43-013-30559; Lease #UTU-020252A

Basal Carbonate @ 5980 (est)
Wasatch @ 6105 (est)

Allen Federal 32-6-9-17

Spud Date: 4/23/81

Put on Projection: 5/28/81

GL: 5323' KB: 5337'

Proposed P & A
Wellbore Diagram

Initial Production: 100 STBOPD,
30 MCFD, 16 STBWD

SURFACE CASING

STRING: 1
CSG SIZE: 8 5/8"
GRADE: K-55
WEIGHT: 24 lbs.
LENGTH: 6 jts @ 260'
DEPTH LANDED: 260' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 190 sx Class-H
Cemented to surface.

Plug #4: Perf casing $\geq 50'$ below USDW base @ 535' and squeeze cement to surface. Cement inside of casing (annulus) from surface to $\geq 50'$ below the base of the USDW @ 535'.

PRODUCTION CASING

STRING: 1
CSG SIZE: 5 1/2"
GRADE: J-55
WEIGHT: 15.5# & 14#
LENGTH: 169 jts @ 5389'
DEPTH LANDED: 5401' KB
D.V. TOOL: 3342'
HOLE SIZE: 7 7/8"
CEMENT DATA: 695 sx 50-50 Poz.
CEMENT TOP AT: 2200' from well records

Plug #2: Minimum of 200' plug from $\geq 50'$ above Trona @ 2982' to $\geq 50'$ below the base of the Mahogany Bench @ 3000'. Plug from 2906' to 3050'.

Plug #1: $\leq 50'$ above first perf. 5' CIBP with $\geq 20'$ cement on top.

Casing Shoe @ 260'

Circulate 87 sx Class "G" Cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus

Plug #4: 12' - 585' (KB)

Perforate 4 JSPF @ 510'

585'

1416'

Plug #3: minimum of 100' plug across the contact between the Uinta Formation and the Green River Formation at 1416'. Plug from 1366' to 1466'.

17 sx Class G Cement plug on top of CIBP

CIBP @ 2150'

36 sx Class G Cement plug below CIBP

Perforate 2 JSPF @ 2200'

Trona/Birds Nest

200' Plug w/o excess

Spot inhibited water between cement plugs

Confining zone

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 4196'

4246' - 4252'

4283' - 4289'

4912' - 4934'

5232' - 5254'

Top of Fill @ 5350'

PBTD @ 5365'

TD @ 5401'

NEWFIELD

Allen Federal #32-6-9-17

2102' FNL & 1949' FEL

SW/NE Section 6-T9S-R17E

Duchesne Co, Utah

API #43-013-30559; Lease #UTU-020252A



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

**1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>**

MAY 04 2010

Ref: 8P-W-GW

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, CO 80202

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

RE: Underground Injection Control (UIC)
Authorization for Additional Well
EPA UIC Permit UT20642-08173
Well: Allen Federal 32-6-9-17
SWNE Sec. 6 T9S-R17E
Duchesne County, Utah
API No.: 43-013-30559

Dear Mr. Sundberg:

The Environmental Protection Agency Region 8 (EPA) received Newfield Production Company's (Newfield) April 16, 2010, letter requesting re-authorization to add the Allen Federal 32-6-9-17 well to the Jonah Area Permit after the original authorization issued by EPA on December 24, 2008, expired. Newfield is hereby authorized to convert the oil well Allen Federal 32-6-9-17 well to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Jonah Area Permit UT20642-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval, and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

**RECEIVED
MAY 12 2010**

DIV. OF OIL, GAS & MINING

If you have any questions, please call Jason Deardorff at (303) 312-6583 or 1-(800)-227-8917 (Ext. 312-6583). Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,



Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well
Wellbore and P&A schematics for Allen Federal 32-6-9-17

cc Letter Only:

Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Ronald Groves, Councilman
Irene Cuch, Vice-Chairwoman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

cc All Enclosures:

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Larry Love
Director of Energy & Minerals Dept.
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit No: UT20642-00000

The Jonah Unit Final UIC Area Permit No. UT20642-00000, effective December 22, 1992, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On July 21, 2008, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	Allen Federal 32-6-9-17
EPA Well ID Number:	UT 20642-08173
Location:	2102' FNL & 1949' FEL SWNE Sec. 6 T9S-R17E Duchesne County, Utah API #43-013-30559

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20642-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20642-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: MAY 04 2010

Stephen S. Tuber
* Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

** The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20642-00000
Well: Allen Federal 32-6-9-17 EPA Well ID: UT20642-08173

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: **Allen Federal 32-6-9-17**
EPA Well ID Number: **UT20642-08173**

Prior to Commencing Injection Operations, the permittee shall submit the following:

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. A successful RTS will be considered a valid confirmation that cementing records show adequate cement to prevent the upward migration of injection fluids from the injection zone at injection pressures up to the MAIP, until one of the following events occurs, at which time a subsequent RTS is required:

- a) If the submitted RTS is determined to be inconclusive or inadequate by EPA,
- b) If the MAIP of the injection well is exceeded for any reason (*It is a violation to exceed the MAIP without prior EPA approval*),
- c) If new injection perforations are added to the injection well, either through the creation of new perforations or the adjustment of the packer depth to inject into a set of existing perforations that were previously inactive,
- d) If the injection formation is acid-treated, hydraulically stimulated, or stimulated by any other method through the injection well, that may affect the cement integrity of the well,
- e) If the Director requests that a RTS be run for any reason.

A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate Part II Mechanical Integrity using an approved Part II demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

All depths cited in this authorization reference the Kelly Bushing datum unless otherwise specified.

Approved Injection Zone: Due to the absence of cement through the previously established administrative confining zone [3,546 – 3,748 feet (ft.)], injection in this well is limited to an interval from the base of a shale zone at 4,056 ft., to the top of the Wasatch Formation, which is estimated to be at a depth of 6,105 ft. The approved injection interval for this well is from 4,056 to 6,105 ft.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1,700 psig, based on the following calculation:

$$\begin{aligned}\text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D, where} \\ \text{FG} &= 0.84 \text{ psi/foot} \quad \text{SG} = 1.015 \quad \text{D} = 4246 \text{ feet (top perforation depth)} \\ \text{MAIP} &= 1700 \text{ psig}\end{aligned}$$

UIC Area Permit No. UT20642-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that determines the fracture gradient at the injection depth at this well location.

Well Construction: Casing and Cementing: The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR §146.22(c). However, cementing records, including the cement bond log (CBL), show the absence of cement through the established administrative confining zone. Instead of a permit requirement to emplace cement behind casing through this shale interval, the top of the injection interval for the Allen Federal 32-6-9-17 well has lowered to the base of a shale interval, Shale "B", through which the CBL does show cement behind the longstring casing.

Well Construction: Tubing and Packer: 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 50 feet above the top perforation.

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of Part I (internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than once every five years after the last successful test.
- (2) Because cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone a RTS during the 180-day period of Limited Authorization to Inject is required. This RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- PLUG 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation with a minimum 20-foot cement plug on top of the CIBP.
- PLUG 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 2,906 to 3,050 ft. unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 144-foot balanced cement plug inside the 5-1/2" casing from approximately 2,906 to 3,050 ft.
- PLUG 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,411 ft. unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 100-foot plug inside the 5-1/2" casing from approximately 1,361-1,461 ft.
- PLUG 4: Set a Class "G" cement plug within the 5-1/2" casing to 585 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: **Allen Federal 32-6-9-17**
EPA Well ID Number: **UT20642-08173**

Underground Sources of Drinking Water (USDWs): USDWs in the Jonah Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 535 ft. below ground surface in the Allen Federal 32-6-9-17 well.

Water Resources within the Area of Review: There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well according to Utah's Division of Water Rights (<http://nrwt1.state.ut.us>).

Composition of Source, Formation, and Injectate Water: The Total Dissolved Solids (TDS) content of water produced from the Douglas Creek Member of the Green River Formation was determined to be 17,931 mg/l on June 18, 2008. Due to nearby injection activity for the purpose of enhanced oil recovery, this TDS value may not be representative of the original TDS content of formation waters at or near the Allen Federal 32-6-9-17 well.

The TDS content of injectate was determined to be 4,278 mg/l on January 20, 2008. The injectate is water from Newfield Production Company's Jonah injection facility and consists of culinary water from the Johnson Water District blended with produced Green River Formation water resulting in a TDS content less than 10,000 mg/l.

Aquifer Exemption: An aquifer exemption is not required because the TDS of water produced from the proposed injection well is greater than 10,000 mg/l. In addition, the freshening of aquifers in parts of the Monument Butte Field as a result of water injection for the purpose of enhanced oil recovery has been demonstrated by Newfield Production Company and it is EPA Region 8's decision to not aquifer exempt these temporary, artificially created zones of aquifer with less than 10,000 mg/l TDS. It is expected that once injection operations are halted, the aquifer will re-establish its original TDS content through the natural processes of water-rock interaction.

Confining Zone: The Administrative Confining Zone directly overlies the Garden Gulch Member of the Green River Formation and is found between 3,546 ft and 3,742 ft. in the Allen Federal 32-6-9-17 well. However, the cement record shows no cement behind casing through this interval. To avoid the risks associated with cement-squeezing, two additional Area of Review-wide confining zones that have cement behind casing in the Allen Federal 32-6-9-17 well have been identified as follows:

Shale "A": 3,858 ft. to 3,942 ft. – Insufficient cement according to CBL analysis
Shale "B": 3,972 feet to 4,056 ft. – Sufficient cement according to CBL analysis

Injection Zone: The Injection Zone at this well location, which has been modified from the Jonah Unit Area Permit, is approximately 2,049 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the base of Shale "B" at 4,056 ft. to the top of the Wasatch Formation which is estimated to be at 6,105 ft. The Wasatch Formation top is based on correlation to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

Well Construction: The CBL shows no cement through the Administrative Confining Zone. However, cement is present immediately beneath this interval and continues through the Shale "A" and Shale "B" intervals described above with Shale "B" showing more than 18 feet of continuous 80 percent or greater cement bond index. However, due to the absence of cement through the established areal Confining Zone and the employment of this new confining zone, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8" casing is set at 260 ft (KB) in a 12-1/4" hole, using 190 sacks of Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 5,401 ft in a 7-7/8" hole secured with 695 sacks of cement. Recorded total driller depth is 5,401 ft. Plugged back total depth is 5,365 ft. Top of cement per CBL is 2,550 ft.

Perforations: Top perforation: 4246 ft. Bottom perforation: 5232 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following eight wells that penetrate the confining zone within or proximate to a 1/4 mile radius around the Allen Federal 32-6-9-17 were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Jonah Federal H-6-9-17	API: 43-013-33494	SWNE Sec. 6-T9S-R17E
Well: Jonah Federal I-6-9-17	API: 43-013-33495	NENE Sec. 6-T9S-R17E
Well: Jonah Federal J-6-9-17	API: 43-013-33496	SENE Sec. 6-T9S-R17E
Well: Jonah Federal L-6-9-17	API: 43-013-33498	NWSW Sec. 6-T9S-R17E
Well: Jonah Federal M-6-9-17	API: 43-013-33499	NESW Sec. 6-T9S-R17E
Well: Allen Federal 22-6-6-17	API: 43-013-30919	SENE Sec. 9-T9S-R17E
Well: Monument Federal 33-6-9-17	API: 43-013-31361	NWSE Sec. 6-T9S-R17E
Well: Monument Federal 42-6-9-17	API: 43-013-31364	SENE Sec. 6-T9S-R17E

Corrective Action or Weekly Monitoring Required on One AOR Well:

Well: Monument Federal 42-6-9-17 API: 43-013-31364 SENE Sec. 6-T9S-R17E
Submitted CBL does not include the confining zone, thus preventing a determination of wellbore mechanical integrity. Newfield has the option of following the corrective action plan detailed below for this well or running and submitting a complete CBL to demonstrate that well construction is adequate.

AOR Well Corrective Action Plan: The Monument Federal 42-6-9-17 well shall be monitored weekly at the surface for evidence of fluid movement out of the injection zone. In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the Confining Zone" and the permittee is referred to this document.

If possible fluid movement out of the Injection Zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure described above, or through any other means, (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, the Permittee will shut in the Allen Federal 32-6-9-17 well immediately and notify the Director. No injection into the Allen Federal 32-6-9-17 well will be permitted until the Permittee has notified the Director that the situation has been resolved, submitted Reword Records (EPA Form No.7520-12) and a schematic diagram, and received authorization from the Director to re-commence injection.

Monitoring Not Required on Seven AOR wells:

Well: Jonah Federal H-6-9-17 API: 43-013-33494 SWNE Sec. 6-T9S-R17E
Shows 222 ft. of 80 percent cement bond or greater from 3,672-3,894 ft.

Well: Jonah Federal J-6-9-17 API: 43-013-33496 SENE Sec. 6-T9S-R17E
Shows 86 ft of 80 percent cement bond or greater from 3,630-3,830 ft.

Well: Jonah Federal L-6-9-17 API: 43-013-33498 NWSW Sec. 6-T9S-R17E
Shows 98 ft of 80 percent cement bond or greater from 3,624-3,722 ft.

Well: Jonah Federal M-6-9-17 API: 43-013-33499 NESW Sec. 6-T9S-R17E
Shows 26 ft of 80 percent cement bond index or greater from 3,745-3,771 ft.

Well: Jonah Federal I-6-9-17 API: 43-013-33495 NENE Sec. 6-T9S-R17E
Shows marginal cement through the established areal Confining zone, but 80 percent cement bond or greater through Shales "A" and "B"

Well: Allen Federal 22-6-6-17 API: 43-013-30919 SENW Sec. 9-T9S-R17E

This is a previously permitted injection well (UT20642-03729). Submitted CBL shows marginal cement bond index throughout the confining zone. Any corrective action required for this well will be handled through the existing permit for Allen Federal 22-6-9-17.

Well: Monument Federal 33-6-9-17 API: 43-013-31361 NWSE Sec. 6-T9S-R17E

This is a previously permitted injection well (EPA UIC Permit UT20642-03736). The submitted CBL does not include the confining zone. UIC Permit UT20642-03736 was modified to require a regular (once every 5 years) temperature log in conjunction with this add well authorization. The first temperature log, conducted in 2008, indicated no fluid movement behind pipe and a second Permit modification was made to require a RTS instead regular temperature logging. The RTS is required to be repeated under any of the circumstances specified in the modification to UIC Permit UT20642-03736, which are equivalent to the circumstances under which the RTS required for this add well authorization must be repeated.

Reporting of Noncompliance:

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting: The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>

Other Noncompliance: The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known to him.

Spud Date: 4/23/81

Put on Projection: 5/28/81

GL: 5323' KB: 5337'

Allen Federal 32-6-9-17

Wellbore Diagram

Initial Production: 100 STBOPD,
30 MCFD, 16 STBWP

SURFACE CASING

STRING: 1
CSG SIZE: 8 5/8"
GRADE: K-55
WEIGHT: 24 lbs.
LENGTH: 6 jts @ 260'
DEPTH LANDED: 260' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 190 ex Class-H
Cemented to surface.

PRODUCTION CASING

STRING: 1
CSG SIZE: 5 1/2"
GRADE: J-55
WEIGHT: 15.5# & 14#
LENGTH: 169 jts @ 5389'
DEPTH LANDED: 5401' KB
D.V. TOOL: 3342'
HOLE SIZE: 7 7/8"
CEMENT DATA: 695 ex 50-50 Poz.
CEMENT TOP AT: 2200' from well records

TUBING RECORD

SIZE/GRADE/WT.: 2 3/8", J-55, 4.7#
NO. OF JOINTS: 168 jts. @ 5282'
TUBING ANCHOR: None
NO. OF JOINTS: 1 jt.
SEATING NIPPLE: 2 3/8" x 1'
PERF. SUB: 2 3/8" x 4'
MUD ANCHOR: 2 3/8" x 31'
TOTAL STRING LENGTH: 5318'
SN LANDED AT: 5297' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 16' SM

SUCKER RODS: 1-2", 1-4" x 3/4" pony rods, 98-3/4" guided rods, 96-3/4" slick rods, 15-3/4" guided rods, 2-1 1/2" weight bars.

PUMP SIZE: 2" x 1-1/2" x 16' RHAC pump w/SM plunger

STROKE LENGTH: 64"

PUMP SPEED, SPM: 6 SPM

LOGS: DIGL/SP/GR/CAL

FRAC JOB

05/17/81 4912'-5254'

Frac w/Western on 5/17/81.

43,000 gal Apollo 40 w/32,000 lbs 10/20 mesh sd & 55,000 lbs 20/40 mesh sd, avg 34 BPM @ 2400 psig, max @ 2600 psig, ISIP @ 2000 psig, 5 min @ 1832 psig, 10 min @ 1800 psig, 15 min @ 1750 psig.

10/15/90 4246'-4289'

Frac w/Smith on 10/15/90.

24,086 gal 30 lbs GWX-9 w/46,000 lbs 20/40 mesh sd, & 83,000 lbs 16/30 mesh sd, Avg @ 55 BPM @ 2200 psig, max @ 2950 psig, ISIP @ 2010 psig, 15 min @ 1670 psig, Ramp 1/2 to 6 lbs.

12/20/03

Stuck Pump: Update tubing and rod detail.

03/23/07

Pump Change: Updated rod and tubing detail.

2956' - Terra
2982' - Mahogany
Bench (base @ 3000')

Note: Insufficient cement through established confining zone

ACID JOB

4246' - 4289' 3990 gal 3% KCl; 75 ball sealers were pumped, 7.5 BPM @ 4300 psig. ISIP @ 1630 psig, 15 min @ 1520 psig. 4912' - 5254' 1500 gal 15% HCl Acid, 5 BPM @ 1500 psig to 8 BPM @ 1700 psig. Drop balls, saw ball action. Pumping @ 8 BPM @ 2000 psig, no ball off. ISIP @ 1600 psig, 5 min @ 1500 psig.

PERFORATION RECORD

4246' - 4252' (6') 4 SPF
4283' - 4289' (6') 4 SPF
4912' - 4934' (22') 2 SPF
5232' - 5254' (22') 2 SPF

4246'-4252'

4283'-4289'

4730' - Douglas
4912'-4934' Creek

5232'-5254'

SN @ 5297'

EOT @ 5318'

Top of Fill @ 5350'

PBTD @ 5365'

SHOE @ 5364'

TD @ 5401'

NEWFIELD

Allen Federal #32-6-9-17

2102' FNL & 1949' FEL

SW/NE Section 6-T9S-R17E

Duchesne Co, Utah

API #43-013-30559; Lease #UTU-020252A

Basal Carbonate @ 5980 (est)
Wasatch @ 6105 (est)

Spud Date: 4/23/81

Put on Projection: 5/28/81

GL: 5323' KB: 5337'

Allen Federal 32-6-9-17

Proposed P & A
Wellbore Diagram

Initial Production: 100 STBOPD,
30 MCFD, 16 STBWPD

SURFACE CASING

STRING: 1
CSG SIZE: 8 5/8"
GRADE: K-55
WEIGHT: 24 lbs.
LENGTH: 6 jts @ 260'
DEPTH LANDED: 260' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 190 sx Class-H
Cemented to surface.

Casing Shoe @ 260'

Circulate 87 sx Class "G" Cement down 5-1/2" casing and up
the 5-1/2" x 8-5/8" annulus

Plug #4: 12' - 585' (KB)

Plug #4: Perf casing $\geq 50'$ below USDW
base @ 535' and squeeze cement to
surface. Cement inside of casing (annulus)
from surface to $\geq 50'$ below the Base of
the USDW @ 535'.

PRODUCTION CASING

STRING: 1
CSG SIZE: 5 1/2"
GRADE: J-55
WEIGHT: 15.5# & 14#
LENGTH: 169 jts @ 5389'
DEPTH LANDED: 5401' KB
D.V. TOOL: 3342'
HOLE SIZE: 7 7/8"
CEMENT DATA: 695 sx 50-50 Poz.
CEMENT TOP AT: 2200' from well records

Plug #2: Minimum of 200'
plug from $\geq 50'$ above
Trona @ 2982' to $\geq 50'$
below the base of the
Mahogany Bench @ 3000'
Plug from 2906' to 3050'

Plug #1: $\leq 50'$ above first
Perf. 5' CIBP with \geq
20' cement on top.

Perforate 4 JSPF @ 310'

585'

1416'

Plug #3: Minimum of 100' plug
across the contact between
the Uinta Formation and
the Green River Formation at
1416'. Plug from 1366' to 1466'

17 sx Class G Cement plug on top of CICR

CICR @ 2150'

36 sx Class G Cement plug below CICR

Perforate 2 JSPF @ 3200'

Spot inhibited water
between cement plugs

Trona/Birds Nest
200' Plug w/o excess

Confining zone

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 4196'

4246' - 4252'

4283' - 4289'

4912' - 4934'

5232' - 5254'

Top of Fill @ 5350'

PBTD @ 5365'

TD @ 5401'

NEWFIELD

Allen Federal #32-6-9-17

2102' FNL & 1949' FEL

SW/NE Section 6-T9S-R17E

Duchesne Co, Utah

API #43-013-30559; Lease #UTU-020252A



RE: Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the confining zone

Effective July 10, 2008 Newfield Production Company will implement the following procedure to address concerns related to protection of Underground Sources of Drinking Water (USDW) in AOR wells where the interval of cement bond index across the confining zone behind pipe has been determined to be inadequate. The procedure is intended to meet the corrective action requirements found in the UIC Class II permit, as well as provide data that could be used to detect and prevent fluid movement out of the proposed injection zone.

- 1) Establish baseline production casing by surface casing annulus pressures prior to water injection in subject well with a calibrated gauge.
- 2) Record the baseline pressure, report findings to Newfield engineering group and keep on file so it is available upon request
- 3) Place injection well in service. Run packer integrity and radioactive tracer logs to verify wellbore integrity and determine zones taking water.
- 4) Construct a geologic cross section showing zones taking water and their geologic equivalent zones in the AOR wells.
- 5) Submit a report of the packer integrity log, radioactive tracer log, and geologic cross section to the Newfield engineering staff for review and keep on file so it is available upon request
- 6) Weekly observations of the site will be made by Newfield during normal well operating activities. Any surface discharge of fluids will be reported immediately.
- 7) After injection well is placed in service, weekly observations of annulus pressure will be made and compared to baseline pressure and will be recorded once monthly. The recorded pressure information will be kept on file and be available upon request.
- 8) If pressure increases by more than 10% above baseline at any time in an AOR well with insufficient cement bond, Newfield will run a temperature survey log in subject well. This log, in concert with the geologic cross section, will enable the determination of water movement in the open hole by production casing annulus through a shift in geothermal gradient.
- 9) If water movement is determined in annulus, Newfield will shut in the injection well and repair the production casing by open hole annulus or leave the injection well out of service.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-020252-A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:
ALLEN FED 32-6

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301330559

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2102 FNL 1949 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 6, T9S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/10/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 06/07/10.

New interval added: D1 4772-4781' 3 JSPF.

On 06/01/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 06/10/2010 the casing was pressured up to 1165 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20642-08173 API# 43-013-30559

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 06/14/2010

(This space for State use only)

RECEIVED

JUN 21 2010

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2102 FNL 1949 FEL

SWNE Section 6 T9S R17E

5. Lease Serial No.

USA UTU-020252-A

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

ALLEN FED 32-6

9. API Well No.

4301330559

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Change Status	
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The subject well has been converted from a producing oil well to an injection well on 06/07/10.

New interval added: D1 4772-4781' 3 JSPF.

On 06/01/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 06/10/2010 the casing was pressured up to 1165 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20642-08173 API# 43-013-30559

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lucy Chavez-Naunoto

Signature

Title

Administrative Assistant

Date

06/14/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 6 / 10 / 2010
Test conducted by: Lynn Monson
Others present: _____

Well Name: <u>Allen Federal 32-6-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Butte Field</u>		
Location: <u>SW/NE</u> Sec: <u>6</u> T <u>9</u> N <u>18</u> R <u>17</u> <u>E</u> W County: <u>Duchesne</u> State: <u>Ut.</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>		Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? ☐ Yes ☒ No
Initial test for permit? ☒ Yes ☐ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

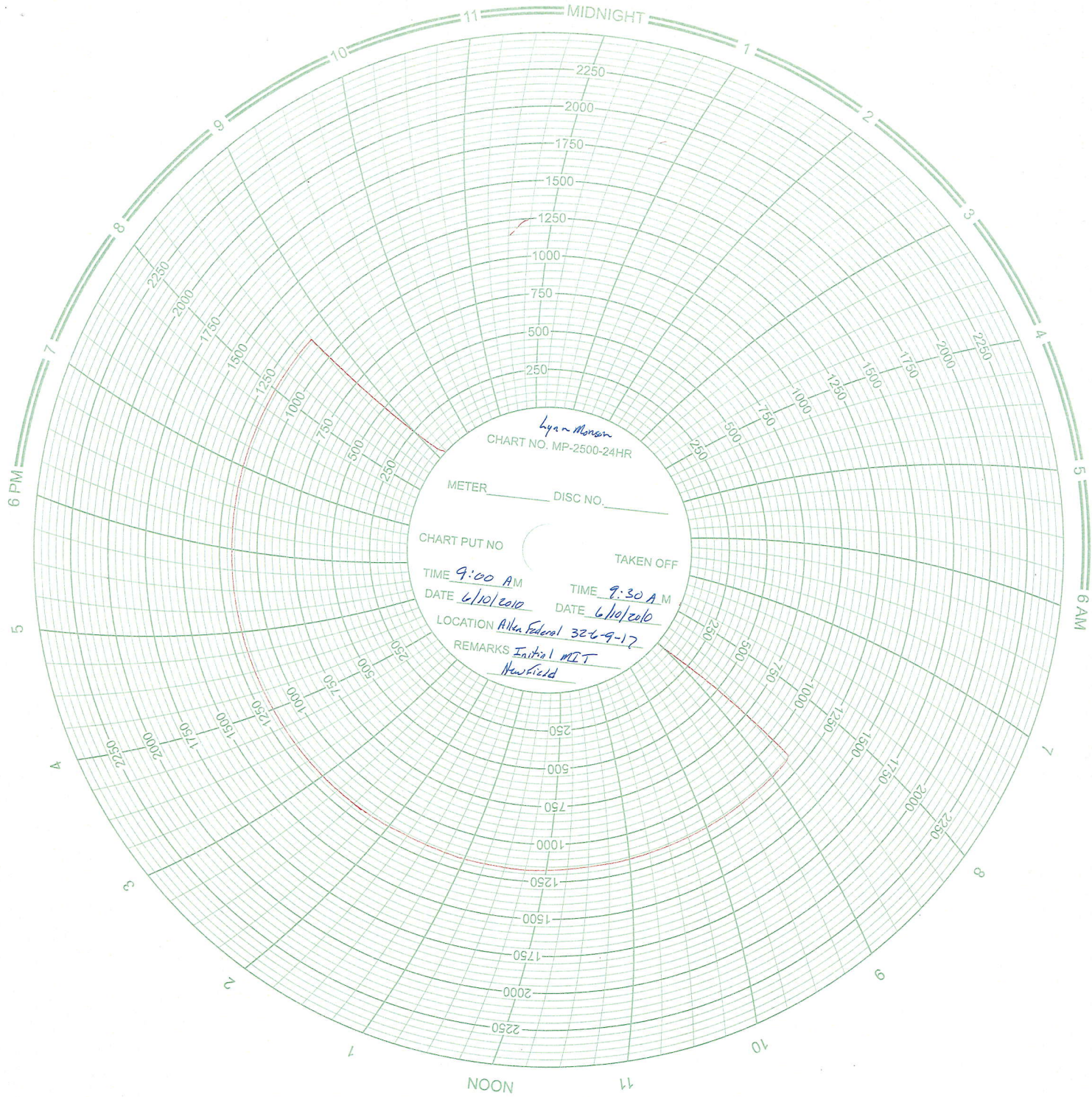
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1165</u> psig	psig	psig
5 minutes	<u>1165</u> psig	psig	psig
10 minutes	<u>1165</u> psig	psig	psig
15 minutes	<u>1165</u> psig	psig	psig
20 minutes	<u>1165</u> psig	psig	psig
25 minutes	<u>1165</u> psig	psig	psig
30 minutes	<u>1165</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



Daily Activity Report

Format For Sundry

ALLEN 32-6-9-17**4/1/2010 To 8/30/2010****6/1/2010 Day: 1****Conversion**

Nabors #809 on 6/1/2010 - MIRUSU. Lay down rods. TOO H w/ tbg. - Shut unit down. MIRUSU. Pump 60 bbls water down casing. Unseat pump. Flush rods w/ 30 bbls water. Soft seat pump. Test tbg to 3000 psi. Fish rods. TOO H w/ rods laying down on trailer. RU BOP's. TOO H w/ tbg. Breaking, doping (liquid "O" ring) & inspecting every pin. EOT @ 2800'. SIFN.

Daily Cost: \$0**Cumulative Cost:** (\$9,827)

6/3/2010 Day: 2**Conversion**

Nabors #809 on 6/3/2010 - TOO H w/ tbg. Perferate D1 sds. TIH w/ frac string. Break zone down. - Open well w/ 0 psi on casing. Continue TOO H w/ tbg breaking, doping & inspecting every pin. RU Perforators LLC WLT & pack-off tool. RIH w/ 3-1/8" Port guns w/ gauge ring (11 gram, .36"EH, 120°, 16.82"pen) & perferate D1 sds @ 4772-81' w/ 3 spf for total of 27 shots. RD WLT. PU Weatherford 5-1/2" x 2-1/2" "TS" RBP, retrieving head, 2-3/8" x 4' pup joint, "HD" pkr, SN. PU off trailer 2-7/8", 6.5#, N-80 frac string. TIH w/ tbg to set RBP 4804'. Set pkr @ 4803'. Test tools. Reset pkr @ 4756'. Break down D1 sds @ 3000 psi back to 2250 psi @ 1/4 bpm. Release pkr. SIFN. Well ready for frac.

Daily Cost: \$0**Cumulative Cost:** (\$1,174)

6/4/2010 Day: 3**Conversion**

Nabors #809 on 6/4/2010 - Frac well. Flow well back. LD frac string. - Set pkr. RU BJ Services. Open well w/ 46 psi on tbg. Perfs broke down @ 3806 psi back to 1571 @ 3 bpm. 1 min was 1627. 4 min was 1571. Pump 30 gals of Techni Hib. Frac w/ 12,605#'s of 20/40 sand in 177 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3713 @ ave rate of 15 bpm w/ 6 ppg of sand. ISIP was 1944 w/ .84FG. 5 min was 1789. 10 min was 1735. 15 min was 1700. Flow well back. Well flowed for 1 hour & died. Rec'd 90 bbls fluid. Release pkr. Circulate tbg clean. TIH w/ tbg to tag 30' of sand. C/O to RBP. Release RBP. TOO H w/ tbg laying down on trailer. Set RBP @ 4207' & test casing to 1500 psi. Continue TOO H w/ N-80 tbg. SIFN. 138 jts LD EOT @ 1200'.

Daily Cost: \$0**Cumulative Cost:** \$24,542

6/7/2010 Day: 4**Conversion**

Nabors #809 on 6/7/2010 - LD N-80 tbg. Test tbg. Test casing. RDMOSU. - Continue TOO H w/ N-80 frac string. LD tools. RU 5-1/2" x 2' Arrow Set 1 pkr w/ wire line entry guide, SN. TIH w/ tbg tightening collars. Test tbg twice on TIH w/ 3000 psi. RU sand line & fish SV. RD BOP's. Pump 65 bbls of pkr fluid. Set pkr @ 4201' w/ 15,000#'s tension w/ EOT 4208' @ & CE @ 4204'. Test casing to 1400 psi for 1/2 hour test. RDMOSU. Well ready for MIT.

Daily Cost: \$0**Cumulative Cost:** \$36,057

6/11/2010 Day: 5**Conversion**

Rigless on 6/11/2010 - Conversion Mit - On 6/1/2010 Jason Deardorff with the EPA was contacted concerning the Conversion MIT on the above listed well (Allen 32-6-9-17). On 6/10/2010 the csg was pressured up to 1165 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was psig during the test. There was not an EPA representative available to witness the test. Final Report EPA# UT 20642-08173 API#43-013-30559 **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$61,377

Pertinent Files: Go to File List



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

JUL 08 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3 – Box 3630
Myton, UT 84052

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RE: Underground Injection Control (UIC)
Limited Authorization to Inject
EPA UIC Permit UT20642-08173
Well: Allen Federal 32-6-9-17
NWNE Sec. 6-T9S-R17E
Duchesne County, Utah
API No.: 43-013-30559

Dear Mr. Guinn:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) June 14, 2010, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20642-08173.

As of the date of this letter, Newfield is authorized to commence injection into the Allen Federal 32-6-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,700 psig for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. If Newfield seeks a higher MAIP than 1,700 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT20642-08173.

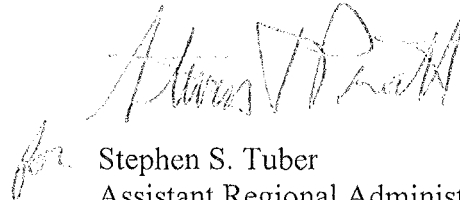
RECEIVED

JUL 14 2010

DIV. OF OIL, GAS & MINING

If you have questions regarding the above action, please call Jason Deardorff at 303-312-6583 or 1-800-227-8917, ext. 312-6583. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-GW.

Sincerely,



for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman
Frances Poowegup, Vice-chairwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-020252-A
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2102 FNL 1949 FEL		8. WELL NAME and NUMBER: ALLEN FED 32-6
5. OTHER/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 6, T9S, R17E		9. API NUMBER: 4301330559
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

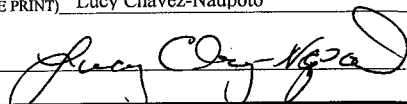
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 08/09/2010	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Put on Injection
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 10:00 AM on 08-09-2010.

EPA # UT20642-08173 API # 43-013-30559

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Administrative Assistant
SIGNATURE 	DATE 08/09/2010

(This space for State use only)

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINING



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

DEC 03 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, UT 84502

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

RECEIVED
DEC 22 2010
DIV. OF OIL, GAS & MINING

RE: Underground Injection Control (UIC)
Authorization to Continue Injection
EPA UIC Permit UT20642-08173
Well: Allen Federal 32-6-9-17
SWNE Sec. ~~32~~⁶-T9S-R17E
Duchesne County, UT
API No.: 43-013-30559

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, received the results of the November 10, 2010, Radioactive Tracer Survey (RTS) for the Allen Federal 32-6-9-17 well. EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 1,700 psig.

As of the date of this letter, EPA hereby authorizes continued injection into the Allen Federal 32-6-9-17 well under the terms and conditions of UIC Permit UT20642-08173.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a Step Rate Test (SRT) that measures the formation parting pressure and determines the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. A current copy of EPA guidelines for running and interpreting SRTs will be sent upon request. Should the SRT result in approval of a higher MAIP, a subsequent RTS conducted at the higher MAIP is required.

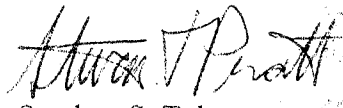
As of this approval, responsibility for permit compliance and enforcement is transferred to EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Nathan Wiser at the following address, referencing the well name and UIC Permit number on all correspondence:

Mr. Nathan Wiser
U.S. EPA Region 8: 8ENF-UFO
1595 Wynkoop Street
Denver, CO 80202-1129

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211. Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20642-08173.

If you have questions regarding the above action, please call Emmett Schmitz at 303-312-6174 or 1-800-227-8917, ext. 312-6174.

Sincerely,


for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:
Frances Poowegup, Vice-Chairwoman
Curtis Cesspooch, Councilman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg
Regulatory Analyst
Newfield Production Company

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER				5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-020252-A
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY				6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052			PHONE NUMBER 435.646.3721	7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2102 FNL 1949 FEL				8. WELL NAME and NUMBER: ALLEN FED 32-6
OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE, 6, T9S, R17E				9. API NUMBER: 4301330559
				10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
				COUNTY: DUCHESNE
				STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 04/25/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on April 25, 2011. Results from the test indicate that the fracture gradient is 0.893 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1700 psi to 1925 psi.

EPA: UT20642-08173

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Water Services Technician
SIGNATURE 	DATE 05/31/2011

(This space for State use only)

RECEIVED
JUN 14 2011
DIV. OF OIL, GAS & MINING

Step Rate Test (SRT) Analysis

Date: 05/16/2011

Operator:

Newfield Production Company

Well:

Federal 7-7-9-18

Permit #:

UT21099-07413

Enter the following data :

Specific Gravity (sg) of injectate = 1.015 g/cc
Depth to top perforation (D) = 5116 feet 5116
Top of permitted injection zone depth (blank=use top perforation to calculate fg) = _____ feet
Estimated Formation Parting Pressure (Pfp) from SRT chart = 1430 psi
Instantaneous Shut In Pressure (ISIP) from SRT = 1569 psi 1430
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder = _____ psi no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = 0.719 psi/ft.

where: $fg = Pbhp / D$ (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1569

D = depth used = 5116

Pbhp used = 3678

Calculated Bottom Hole Parting Pressure (Pbhp) = 3678 psi 3678.456

to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)

(Uses lesser of ISIP or Pfp) Value used = 1430

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

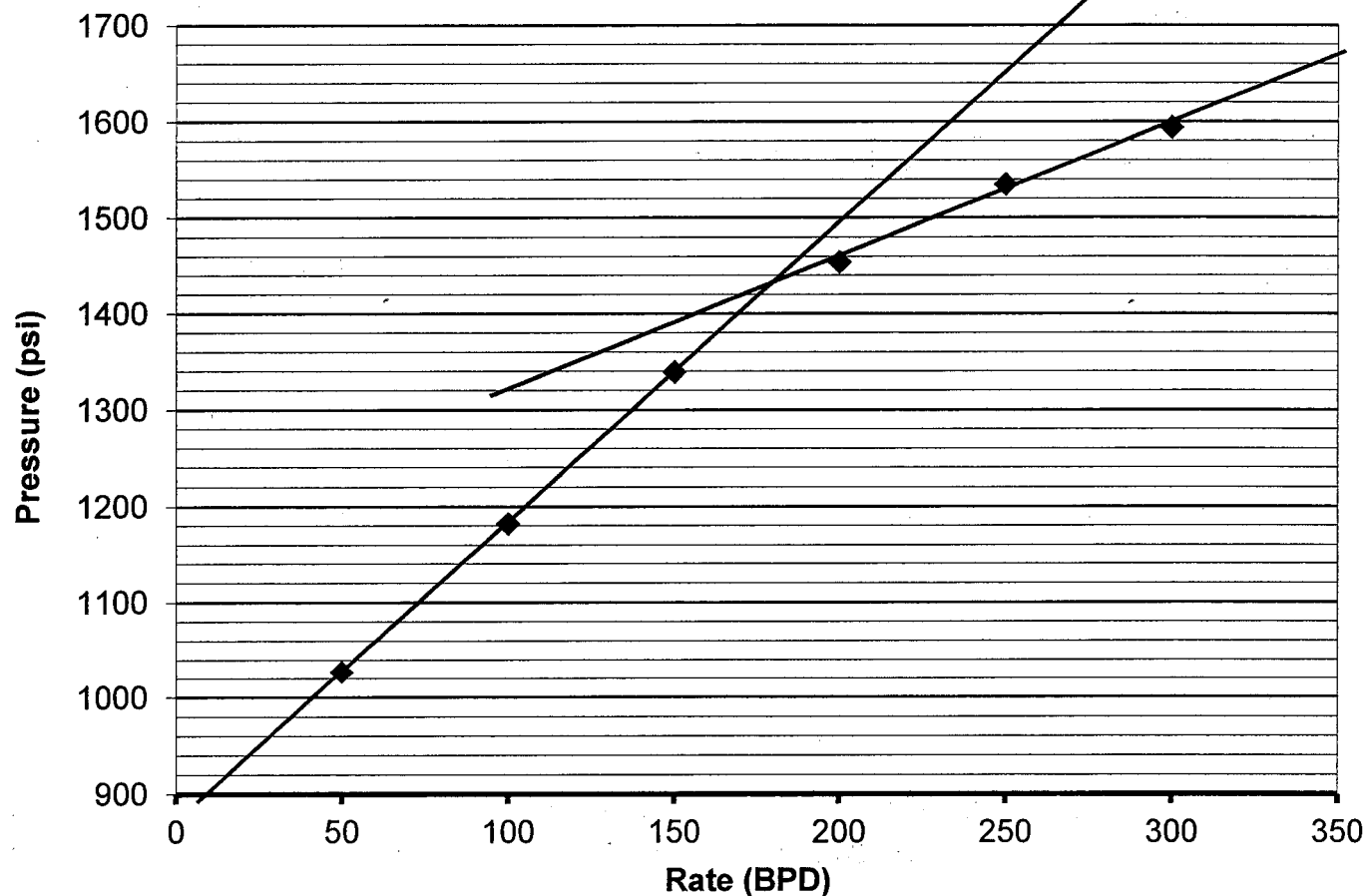
Maximum Allowable Injection Pressure (MAIP) = 1425 psig

D = depth used = 5116

MAIP = $[fg \cdot (0.433 \cdot SG)] \cdot D = 1429.948$

(rounded down to nearest 5 psig)

**Federal 7-7-9-18
Greater Monument Butte Unit
Step Rate Test
May 11, 2011**

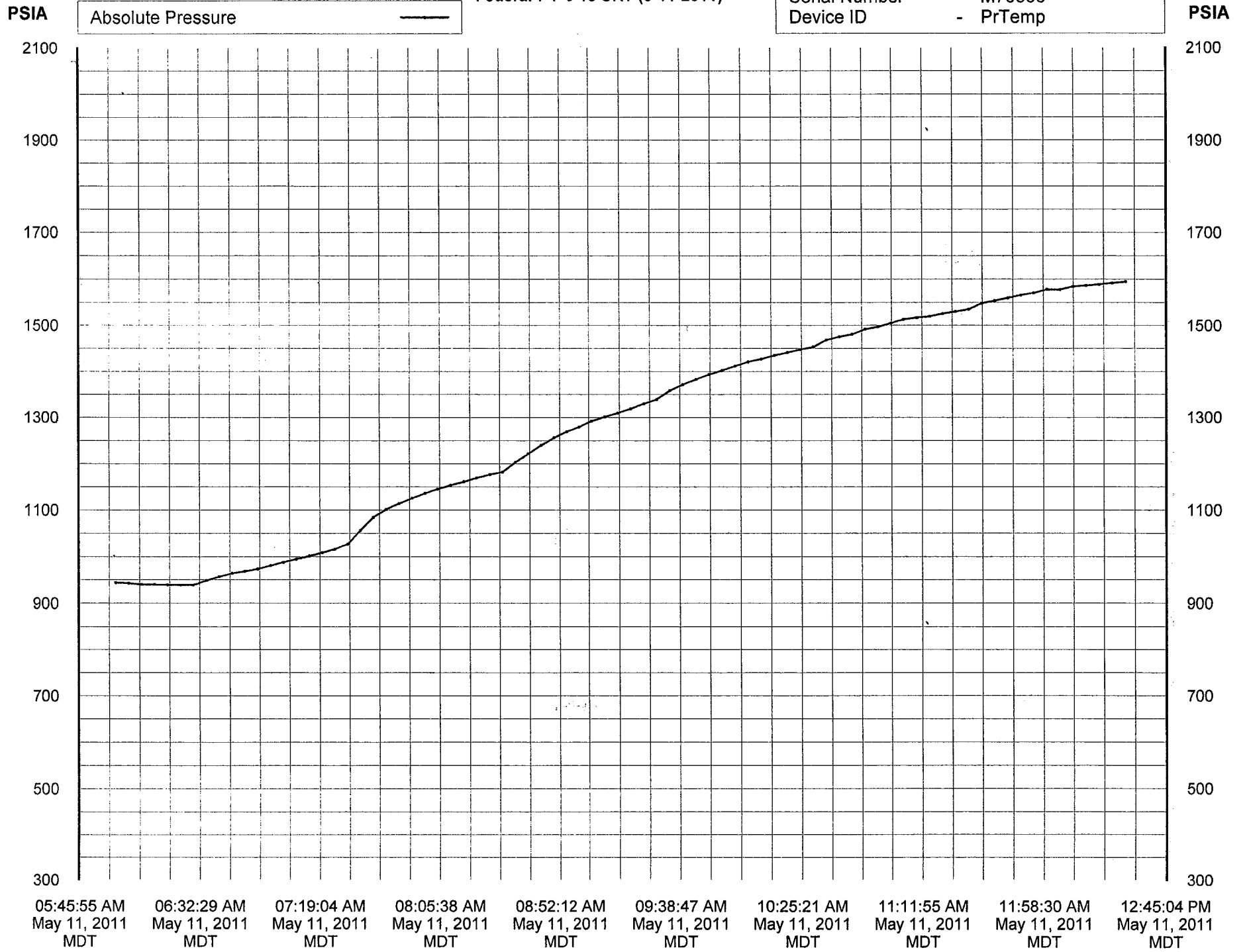


Start Pressure: 939 psi
Instantaneous Shut In Pressure (ISIP): 1569 psi
Top Perforation: 5116 feet
Fracture pressure (Pfp): 1430 psi
FG: 0.719 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	50	1027
2	100	1182
3	150	1339
4	200	1454
5	250	1535
6	300	1594

Federal 7-7-9-18 SRT (5-11-2011)

Device	- PrTemp1000
Serial Number	- M75866
Device ID	- PrTemp



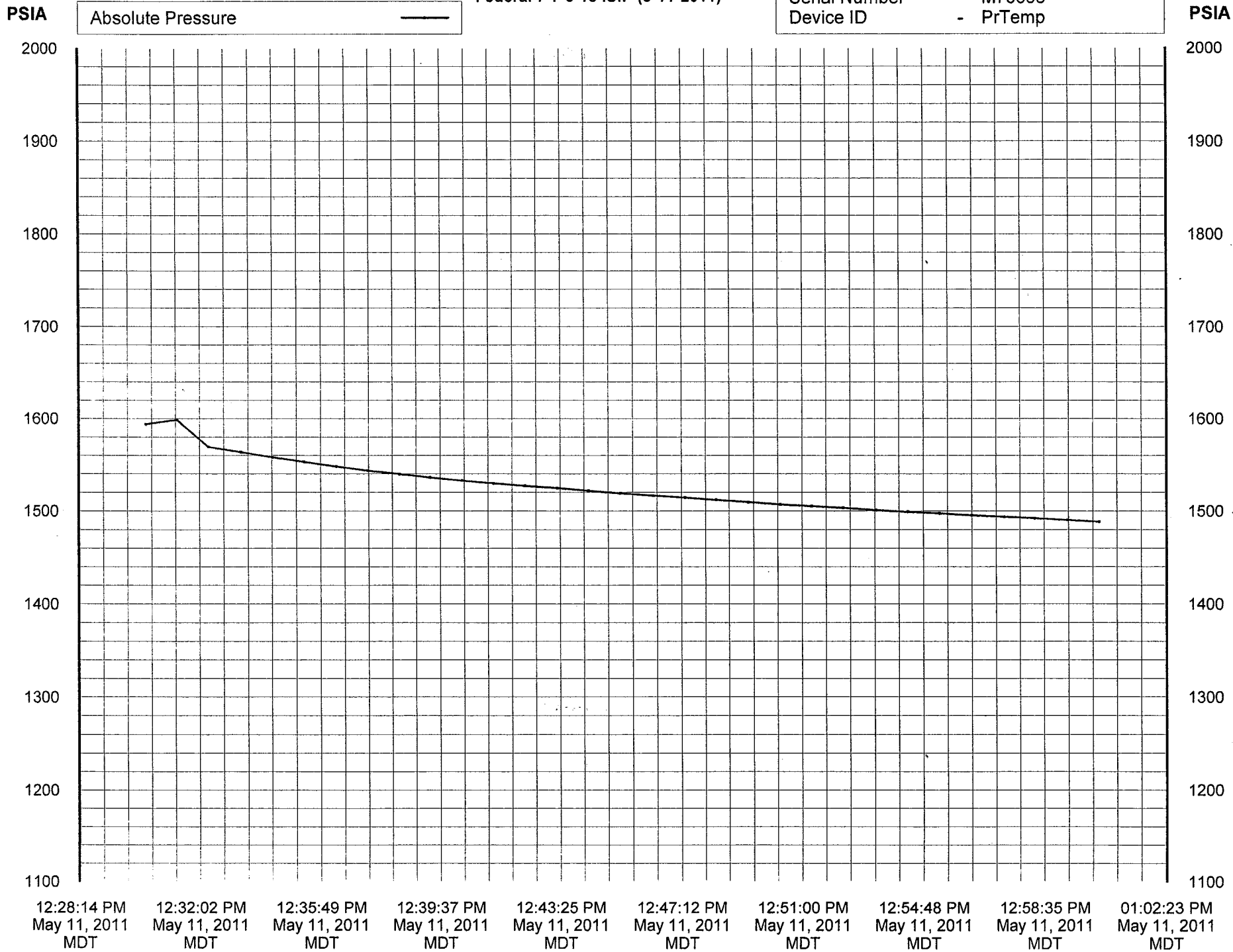
Report Name: PrTemp1000 Data Table
 Report Date: May 16, 2011 01:54:04 PM MDT
 File Name: C:\Program Files\PTC® Instruments 2.00\Federal 7-7-9-18 SRT (5-11-2011).csv
 Title: Federal 7-7-9-18 SRT (5-11-2011)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: May 11, 2011 05:59:59 AM MDT
 Data End Date: May 11, 2011 12:30:00 PM MDT
 Reading Rate: 2 Seconds
 Readings: 1 to 79 of 79
 Last Calibration Date: Apr 12, 2011
 Next Calibration Date: Apr 12, 2012

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	May 11, 2011 05:59:59 AM	944.000 PSIA	
2	May 11, 2011 06:04:59 AM	942.600 PSIA	
3	May 11, 2011 06:09:59 AM	940.400 PSIA	
4	May 11, 2011 06:14:59 AM	940.000 PSIA	
5	May 11, 2011 06:19:59 AM	939.400 PSIA	
6	May 11, 2011 06:24:59 AM	939.000 PSIA	
7	May 11, 2011 06:30:00 AM	939.000 PSIA	
8	May 11, 2011 06:34:59 AM	948.400 PSIA	
9	May 11, 2011 06:40:00 AM	956.400 PSIA	
10	May 11, 2011 06:44:59 AM	964.400 PSIA	
11	May 11, 2011 06:49:59 AM	968.400 PSIA	
12	May 11, 2011 06:54:59 AM	973.600 PSIA	
13	May 11, 2011 06:59:59 AM	980.800 PSIA	
14	May 11, 2011 07:04:58 AM	988.000 PSIA	
15	May 11, 2011 07:09:59 AM	994.800 PSIA	
16	May 11, 2011 07:15:00 AM	1001.600 PSIA	
17	May 11, 2011 07:19:59 AM	1008.400 PSIA	
18	May 11, 2011 07:25:00 AM	1016.000 PSIA	
19	May 11, 2011 07:29:59 AM	1026.600 PSIA	
20	May 11, 2011 07:34:59 AM	1056.400 PSIA	
21	May 11, 2011 07:39:59 AM	1084.800 PSIA	
22	May 11, 2011 07:44:59 AM	1100.800 PSIA	
23	May 11, 2011 07:49:59 AM	1113.800 PSIA	
24	May 11, 2011 07:54:59 AM	1125.600 PSIA	
25	May 11, 2011 08:00:00 AM	1136.200 PSIA	
26	May 11, 2011 08:04:59 AM	1145.600 PSIA	
27	May 11, 2011 08:10:00 AM	1153.600 PSIA	
28	May 11, 2011 08:14:59 AM	1161.400 PSIA	
29	May 11, 2011 08:19:59 AM	1169.600 PSIA	
30	May 11, 2011 08:24:58 AM	1177.000 PSIA	
31	May 11, 2011 08:29:59 AM	1182.200 PSIA	
32	May 11, 2011 08:34:59 AM	1203.000 PSIA	
33	May 11, 2011 08:39:59 AM	1221.400 PSIA	
34	May 11, 2011 08:45:00 AM	1240.200 PSIA	
35	May 11, 2011 08:49:58 AM	1256.000 PSIA	
36	May 11, 2011 08:55:00 AM	1269.400 PSIA	
37	May 11, 2011 08:59:58 AM	1279.000 PSIA	
38	May 11, 2011 09:04:58 AM	1292.000 PSIA	
39	May 11, 2011 09:09:59 AM	1301.200 PSIA	
40	May 11, 2011 09:14:59 AM	1309.400 PSIA	
41	May 11, 2011 09:19:58 AM	1318.600 PSIA	
42	May 11, 2011 09:24:58 AM	1329.800 PSIA	
43	May 11, 2011 09:30:00 AM	1339.400 PSIA	
44	May 11, 2011 09:34:59 AM	1358.400 PSIA	
45	May 11, 2011 09:40:00 AM	1371.800 PSIA	
46	May 11, 2011 09:44:59 AM	1382.800 PSIA	
47	May 11, 2011 09:49:59 AM	1393.800 PSIA	
48	May 11, 2011 09:54:59 AM	1402.200 PSIA	
49	May 11, 2011 09:59:59 AM	1412.000 PSIA	
50	May 11, 2011 10:04:59 AM	1421.000 PSIA	
51	May 11, 2011 10:09:59 AM	1427.600 PSIA	
52	May 11, 2011 10:15:00 AM	1435.600 PSIA	
53	May 11, 2011 10:19:59 AM	1441.200 PSIA	
54	May 11, 2011 10:24:59 AM	1447.800 PSIA	
55	May 11, 2011 10:29:59 AM	1453.600 PSIA	
56	May 11, 2011 10:34:59 AM	1468.200 PSIA	
57	May 11, 2011 10:39:59 AM	1475.800 PSIA	
58	May 11, 2011 10:44:59 AM	1481.200 PSIA	
59	May 11, 2011 10:49:59 AM	1492.000 PSIA	
60	May 11, 2011 10:54:59 AM	1496.800 PSIA	

61	May 11, 2011 11:00:00 AM	1504.600	PSIA
62	May 11, 2011 11:04:59 AM	1512.800	PSIA
63	May 11, 2011 11:10:00 AM	1517.000	PSIA
64	May 11, 2011 11:14:59 AM	1520.000	PSIA
65	May 11, 2011 11:19:59 AM	1525.800	PSIA
66	May 11, 2011 11:24:59 AM	1530.400	PSIA
67	May 11, 2011 11:29:59 AM	1535.200	PSIA
68	May 11, 2011 11:34:59 AM	1548.200	PSIA
69	May 11, 2011 11:39:59 AM	1553.600	PSIA
70	May 11, 2011 11:45:00 AM	1559.400	PSIA
71	May 11, 2011 11:49:59 AM	1565.400	PSIA
72	May 11, 2011 11:55:00 AM	1570.600	PSIA
73	May 11, 2011 11:59:58 AM	1578.000	PSIA
74	May 11, 2011 12:04:59 PM	1577.800	PSIA
75	May 11, 2011 12:09:58 PM	1583.600	PSIA
76	May 11, 2011 12:14:59 PM	1586.000	PSIA
77	May 11, 2011 12:19:59 PM	1588.200	PSIA
78	May 11, 2011 12:24:59 PM	1591.600	PSIA
79	May 11, 2011 12:30:00 PM	1594.400	PSIA

Federal 7-7-9-18 ISIP (5-11-2011)

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp



Report Name: PrTemp1000 Data Table
 Report Date: May 16, 2011 01:53:55 PM MDT
 File Name: C:\Program Files\PTC\Instruments 2.00\Federal 7-7-9-18 ISIP (5-11-2011).csv
 Title: Federal 7-7-9-18 ISIP (5-11-2011)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: May 11, 2011 12:30:19 PM MDT
 Data End Date: May 11, 2011 01:00:19 PM MDT
 Reading Rate: 2 Seconds
 Readings: 1 to 31 of 31
 Last Calibration Date: Apr 12, 2011
 Next Calibration Date: Apr 12, 2012

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	May 11, 2011 12:30:19 PM	1594.000	PSIA
2	May 11, 2011 12:31:19 PM	1598.600	PSIA
3	May 11, 2011 12:32:18 PM	1569.200	PSIA
4	May 11, 2011 12:33:19 PM	1563.800	PSIA
5	May 11, 2011 12:34:19 PM	1557.800	PSIA
6	May 11, 2011 12:35:18 PM	1553.000	PSIA
7	May 11, 2011 12:36:19 PM	1548.200	PSIA
8	May 11, 2011 12:37:19 PM	1543.600	PSIA
9	May 11, 2011 12:38:19 PM	1539.800	PSIA
10	May 11, 2011 12:39:18 PM	1536.200	PSIA
11	May 11, 2011 12:40:19 PM	1532.800	PSIA
12	May 11, 2011 12:41:19 PM	1529.600	PSIA
13	May 11, 2011 12:42:18 PM	1527.000	PSIA
14	May 11, 2011 12:43:19 PM	1524.600	PSIA
15	May 11, 2011 12:44:19 PM	1521.800	PSIA
16	May 11, 2011 12:45:18 PM	1519.000	PSIA
17	May 11, 2011 12:46:19 PM	1516.600	PSIA
18	May 11, 2011 12:47:19 PM	1514.400	PSIA
19	May 11, 2011 12:48:18 PM	1511.800	PSIA
20	May 11, 2011 12:49:19 PM	1509.400	PSIA
21	May 11, 2011 12:50:19 PM	1507.000	PSIA
22	May 11, 2011 12:51:18 PM	1505.200	PSIA
23	May 11, 2011 12:52:18 PM	1503.200	PSIA
24	May 11, 2011 12:53:19 PM	1500.800	PSIA
25	May 11, 2011 12:54:19 PM	1499.000	PSIA
26	May 11, 2011 12:55:18 PM	1497.400	PSIA
27	May 11, 2011 12:56:19 PM	1495.400	PSIA
28	May 11, 2011 12:57:19 PM	1493.600	PSIA
29	May 11, 2011 12:58:18 PM	1492.000	PSIA
30	May 11, 2011 12:59:19 PM	1490.200	PSIA
31	May 11, 2011 01:00:19 PM	1488.400	PSIA

Federal 7-7-9-18 Rate Sheet (5-11-11)

Step # 1	Time:	6:35	6:40	6:45	6:50	6:55	7:00
	Rate:	50.6	50.6	50.5	50.5	50.5	50.5
	Time:	7:05	7:10	7:15	7:20	7:25	7:30
	Rate:	50.4	50.4	50.4	50.4	50.3	50.3
Step # 2	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	100.3	100.3	100.3	100.3	100.2	100.2
	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	100.2	100.2	100.2	100.1	100.1	100.1
Step # 3	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	150.4	150.4	150.4	150.4	150.3	150.3
	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	150.3	150.2	150.2	150.2	150.1	150.1
Step # 4	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	200.5	200.5	200.5	200.4	200.3	200.3
	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	200.3	200.3	200.2	200.2	200.2	200.1
Step # 5	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	250.4	250.4	250.3	250.2	250.2	250.2
	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	250.2	250.1	250.1	250.1	250	250
Step # 6	Time:	11:35	11:40	11:45	11:50	11:55	12:00
	Rate:	300.6	300.6	300.6	300.5	300.5	300.4
	Time:	12:05	12:10	12:15	12:20	12:25	12:30
	Rate:	300.4	300.4	300.4	300.3	300.3	300.3
	Time:						
	Rate:						
	Time:						
	Rate:						
	Time:						
	Rate:						
	Time:						
	Rate:						

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252A
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: ALLEN FED 32-6
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2102 FNL 1949 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 06 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013305590000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/11/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 05/11/2015 the casing was pressured up to 1214 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1572 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08173		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874
SIGNATURE N/A		TITLE Water Services Technician
DATE 5/12/2015		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 12, 2015

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____

Date: 5/11/15Test conducted by: Chris Walters

Others present: _____

Well Name: <u>Allen Fed 32-6-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>GMBU</u>		
Location: <u>SW/NE</u> Sec: <u>6</u> T <u>9</u> N <u>18</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>NFX</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u>1828</u>	PSIG

Is this a regularly scheduled test?

☒ Yes ☐ No

Initial test for permit?

☐ Yes ☒ No

Test after well rework?

☐ Yes ☒ No

Well injecting during test?

☒ Yes ☐ NoIf Yes, rate: 188 bpdPre-test casing/tubing annulus pressure: 1215 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING		PRESSURE		
Initial Pressure		<u>1572</u> psig	psig	psig
End of test pressure		<u>1572</u> psig	psig	psig
CASING/TUBING		ANNULUS PRESSURE		
0 minutes		<u>1215</u> psig	psig	psig
5 minutes		<u>1215</u> psig	psig	psig
10 minutes		<u>1215</u> psig	psig	psig
15 minutes		<u>1215</u> psig	psig	psig
20 minutes		<u>1215</u> psig	psig	psig
25 minutes		<u>1214</u> psig	psig	psig
30 minutes		<u>1214</u> psig	psig	psig
_____ minutes		psig	psig	psig
_____ minutes		psig	psig	psig
RESULT		<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

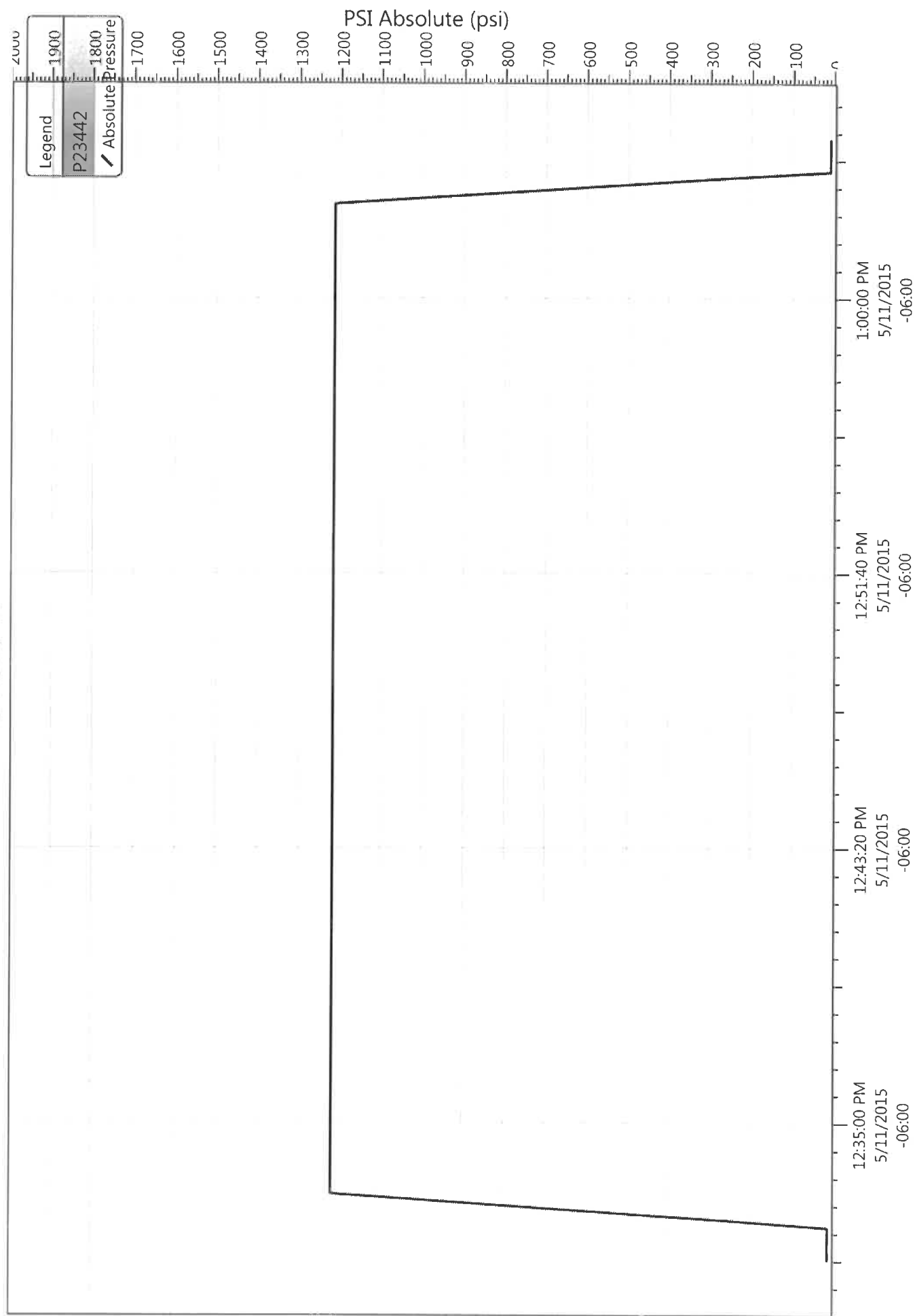
MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

32-6-9-17 5-yr MIT (5-11-15)

5/11/2015 12:30:39 PM



Well Name: Allen 32-6-9-17

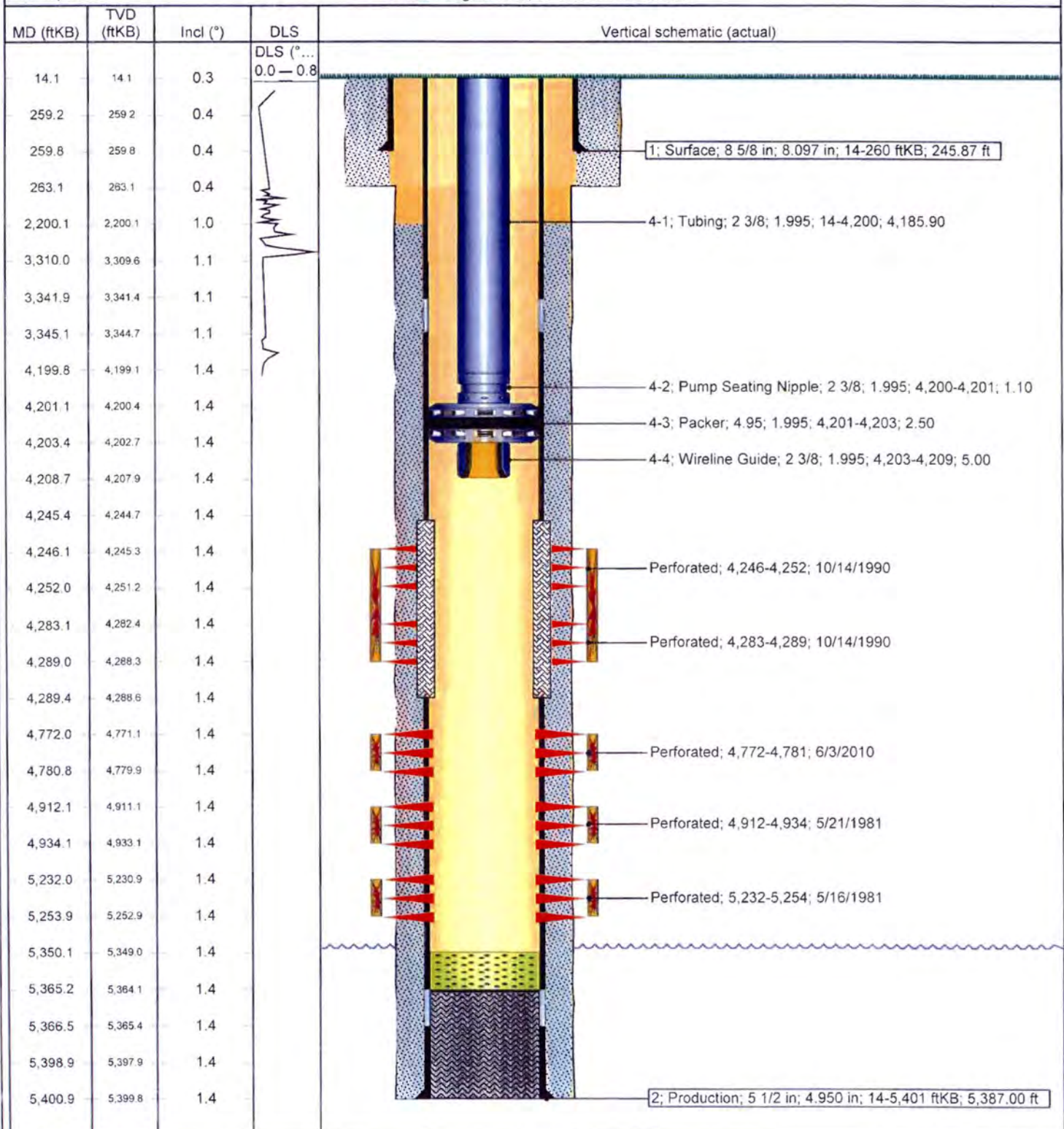
Surface Legal Location 06-9S-17E	API/UWI 4301330559000	Well RC 500150962	Lease	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date	Rig Release Date	On Production Date 5/28/1981	Original KB Elevation (ft) 5,337	Ground Elevation (ft) 5,323	Total Depth All (TVD) (ftKB)	PSTD (All) (ftKB) Original Hole - 5,365.0

Most Recent Job

Job Category Testing	Primary Job Type	Secondary Job Type N/A	Job Start Date 5/11/2015	Job End Date 5/11/2015
-------------------------	------------------	---------------------------	-----------------------------	---------------------------

TD: 5,401.0

Vertical - Original Hole, 5/12/2015 10:03:37 AM



NEWFIELD

Newfield Wellbore Diagram Data Allen 32-6-9-17

Surface Legal Location 06-9S-17E		API/UWI 43013305590000		Lease	
County Duchesne	State/Province Utah	Basin		Field Name GMBU CTB5	
Well Start Date 4/23/1981		Spud Date		Final Rig Release Date 5/28/1981	
Original KB Elevation (ft) 5,337	Ground Elevation (ft) 5,323	Total Depth (ftKB) 5,401.0		Total Depth All (TVD) (ftKB) PBTD (All) (ftKB) Original Hole - 5,365.0	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	4/24/1981	8 5/8	8.097	24.00	K-55	260
Production	5/7/1981	5 1/2	5.012	14.00	J-55	5,401

Cement

String: Surface, 260ftKB 4/24/1981

Cementing Company	Top Depth (ftKB) 14.0	Bottom Depth (ftKB) 263.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 190	Class H	Estimated Top (ftKB) 14.0

String: Production, 5,401ftKB 5/7/1981

Cementing Company	Top Depth (ftKB) 2,200.0	Bottom Depth (ftKB) 5,401.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 695	Class 50/50 POZ	Estimated Top (ftKB) 3,800.0

String: Production, 5,401ftKB 12/1/1990

Cementing Company	Top Depth (ftKB) 4,245.5	Bottom Depth (ftKB) 4,289.5	Full Return?	Vol Cement Ret (bbl)
Fluid Description 75 SKS CLASS G W 2% CaCl	Fluid Type Lead	Amount (sacks) 75	Class G	Estimated Top (ftKB) 4,245.5

Tubing Strings

Tubing Description					Run Date		Set Depth (ftKB)	
Tubing					6/7/2010		4,208.5	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	133	2 3/8	1.995	4.70	J-55	4,185.90	14.0	4,199.9
Pump Seating Nipple	1	2 3/8	1.995			1.10	4,199.9	4,201.0
Packer	1	4.95	1.995			2.50	4,201.0	4,203.5
Wireline Guide	1	2 3/8	1.995			5.00	4,203.5	4,208.5

Rod Strings

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,350	5,365	12/20/2003	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
3	D1, Original Hole	4,246	4,252	4	90	0.360	10/14/1990
3		4,283	4,289	4	90		10/14/1990
4		4,772	4,781	3	120		6/3/2010
2		4,912	4,934	2	180		5/21/1981
1		5,232	5,254	2	180		5/16/1981

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,000			2,600			
2							
3	2,010			2,950			
4	1,741	0.84	17.0	4,843			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 87000 lb
2		Proppant Bulk Sand 67000 lb
3		Proppant Bulk Sand 129000 lb
4		Proppant Bulk Sand 12605 lb